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DEPARTMENT OF THE INTERIOR
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FIELD NOTES

T 23 S R 8½ E

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the State of _____

EXECUTED BY

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Survey completed _____, 19____

UNITED STATES
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FIELD NOTES

T 23 S R 9 E

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UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

Original

FIELD NOTES

of the

Survey of a Portion of the East Boundary

of

Township 23 South, Range 8 East,

and

Survey of the South Boundary

and a

Portion of the Subdivisional Lines

of

Township 23 South, Range 8 $\frac{1}{2}$ East

Of the Salt Lake Meridian,

the State of Utah

EXECUTED BY

Phil D. Smith, Cartographic Survey Aid

Under special instructions dated April 1, 1955, which provided

the surveys included under Group No. 364, approved April 4, 1955

and assignment instructions dated June 23, 1955

Survey commenced August 8, 1955

Survey completed August 12, 1955

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Township 23 South, Range 8 $\frac{1}{2}$ East

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1 16-56770-1

2219 $\frac{1}{2}$

Township 23 South, Range 8 $\frac{1}{2}$ East

Chains

The east boundary of T. 23 S., R. 8 $\frac{1}{2}$ E., was surveyed concurrently under this group as the west boundary of T. 23 S., R. 9 E.

The following field notes are those of the survey of a portion of the east boundary of T. 23 S., R. 8 E. and the south boundary and a portion of the subdivisional lines of T. 23 S., R. 8 $\frac{1}{2}$ E.

The survey was executed with a Buff and Buff solar transit, No. 23831, constructed in accordance with the standard specifications of the Bureau of Land Management. The instrument was in good condition, having been placed in proper adjustment prior to the beginning of the field work, and was tested and checked frequently during the progress of the survey.

The directions of all lines herein reported are determined by deflecting from meridians established by observations upon Polaris and the sun.

Corners on latitudinal lines were set on the true latitudinal curve. Lines connecting previously established corners were run by the random and true method, but for simplification of the record the random lines are omitted from the field notes.

The measurements were made with steel tapes, eight chains in length; these tapes were graduated every link for the first chain and thereafter at intervals of ten links. The tapes were tested by comparison with a standard steel tape, one chain in length, and found correct. The measurements were made on the slope, the vertical angle of each interval determined by the use of clinometers, and the slope distances properly reduced to the horizontal equivalents, which appear in these notes. All the lines of this survey were run by direct methods where the lines are accessible; the inaccessible lines were run by traverse or triangulation methods. The details of such traverses or triangulations have been thoroughly verified, and in order to simplify the record, the diagrams and reductions are omitted from these field notes.

The geographic value for the southeast corner of section 36 is latitude 38° 45' 53" N., and longitude 110° 57' 54" W., as computed from U.S.G.S. triangulation station "Cat".

The magnetic declination was read at a number of stations throughout the township, and the average of the several readings was found to be 16° 02' E.

Survey of a Portion of the East Boundary of T. 23 S., R. 8 E.

From the true point for the cor. of Ts. 23 and 24 S., R. 8 E., from which the witness cor. bears South, 3 chs. dist., mkd. by a 2 $\frac{1}{2}$ in. iron post, set as described in the field notes of T. 24 S., R. 9 E., surveyed concurrently under this same group.

North, along the E. bdy. of sec. 36.

Over broken sandstone land, draining westerly; desc. 120 ft. along broken NW. slope.

7.60 Wash, course SW.; asc. 340 ft. over abrupt broken sandstone on S. slope.

16.30 Spur, projects S. 80° W.; desc. 250 ft. along broken sandstone on N. slope.

Survey of a Portion of the East Boundary of T. 23 S., R. 8 E.

Chains	
26.20	Wash, course westerly; asc. abruptly 120 ft. over broken sandstone on S. slope. Asc. 170 ft. over broken sandstone ledges on S. slope.
34.80	Ridge, bears N. 70° E. and S. 80° W.; desc. 10 ft. along broken sandstone on W. slope.
40.00	Point for the $\frac{1}{4}$ sec. cor. of sec. 36, T. 23 S., R. 8 E. Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 16 ins. in the ground, and in a mound of stone, $3\frac{1}{2}$ ft. base, to top of post, with brass cap mkd. <div style="text-align: center;">$\frac{1}{4}$ S 36 1955</div>
42.20	Beginning of abrupt descent; desc. 110 ft. over broken sandstone along NE. slope.
46.50	Bottom of abrupt descent, bears NW. and SE.; desc. 60 ft. along NE. slope.
55.70	Wash, course NW.; asc. 10 ft. along S. slope.
61.50	Spur, slopes NW.; desc. 20 ft. over N. slope.
63.20	Wash, course W.; asc. 130 ft. over broken sandstone on S. slope.
69.22	Point for the $\frac{1}{4}$ sec. cor. of sec. 36, T. 23 S., R. $8\frac{1}{2}$ E., at midpoint between the closing cor. of secs. 25 and 36, T. 23 S., R. $8\frac{1}{2}$ E., and the closing cor. of T. 23 S., R. $8\frac{1}{2}$ E. and T. 24 S., R. 9 E., hereinafter described.
70.70	Ridge, bears E. and W.; desc. 30 ft. along broken NW. slope.
80.00	Point for the cor. of secs. 25 and 36, T. 23 S., R. 8 E. Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 18 ins. in the ground, and in a mound of stone, $3\frac{1}{2}$ ft. base, to top of post, with brass cap mkd. <div style="text-align: center;">T23S R8E R8$\frac{1}{2}$E $\frac{S25}{S36}$ S36 1955</div>
	Land, rolling and broken sandstone, draining westerly into Cat Canyon. Soil, shallow sandstone on sandstone. Timber, scattered scrub juniper and pinon.
	North, along the E. bdy. of sec. 25. Over rolling and broken sandstone, draining northwesterly into Cat Canyon, through scattered scrub juniper and pinon; desc. 100 ft. along broken NE. slope.
10.40	Wash, course NW.; asc. 40 ft. along SW. slope.

Survey of a Portion of the East Boundary of T. 23 S., R. 8 E.

Chains

- 16.50 Spur, slopes NW.; desc. 150 ft. along broken NE. slope.
- 29.20 Point for the closing cor. of secs. 25 and 36, T. 23 S., R. 8½ E., hereinafter described.
- Discontinue survey.
- Land, rolling and broken sandstone, draining northwesterly into Cat. Canyon.
- Soil, shallow sand on sandstone.
- Timber, scattered scrub juniper and pinon.

Survey of the South Boundary of T. 23 S., R. 8½ E.

From the cor. of Ts. 23 S., Rs. 8½ and 9 E., mkd. by an iron post, 2½ ins. diam., set as described in the field notes of T. 23 S., R. 9 E., surveyed concurrently under this same group.

West, along the S. bdy. of sec. 36, T. 23 S., R. 8½ E.

Over very broken sandstone, draining northerly, through scattered pinon and juniper; asc. 40 ft. along N. slope.

- 14.30 Top of ascent, slopes NW.; desc. 90 ft. along broken sandstone on NW. slope.

- 27.20 Head of draw, course NW.; asc. 100 ft. along NE. slope.

- 38.00 Point selected for the witness ¼ sec. cor. of sec. 36, T. 23 S., R. 8½ E.

Set an iron post, 30 ins. long, 2½ ins. diam., 8 ins. in the ground, and in a mound of stone, 4 ft. base, to top of post, with brass cap mkd.

$$\begin{array}{c} W \quad \frac{1}{4} \quad S \quad 36 \\ \leftarrow \\ C \quad 1955 \end{array}$$

Ridge, bears NW. and SE.; desc. 240 ft. over broken sandstone ledges, along SW. slope to closing Tp. cor.

- 40.00 True point for the ¼ sec. cor. of sec. 36, falls on inaccessible face of ledge.

- 47.77 Point selected for the witness closing cor. for T. 23 S., R. 8½ E. and T. 24 S., R. 9 E.

Set an iron post, 30 ins. long, 2½ ins. diam., 10 ins. in the ground, and in a mound of stone, 4 ft. base, to top of post; with brass cap mkd.

$$\begin{array}{cc} T23S & T23S \\ & R8\frac{1}{2}E \\ W \ S36 & S36 \ C \\ C & S6 \ C \\ & R9E \end{array}$$

1955

- 48.31 Intersect the W. bdy. of the township and true point for the closing cor. of T. 23 S., R. 8½ E. and T. 24 S., R. 9 E., falls on the face of sandstone ledge, unable to set in true position.

Survey of the South Boundary of T. 23 S., R. 8½ E.

Chains

From this point, the true point for the cor. of Ts. 23 and 24 S., R. 8 E., bears South, 29.24 chs. dist.

Land, very broken sandstone, draining westerly.
Soil, shallow sand, with considerable sandstone outcroppings.
Timber, scattered scrub juniper and pinon.

Survey of a Portion of the Subdivision of T. 23 S., R. 8½ E.

From the true point for the cor. of secs. 25, 30, 31 and 36, on the E. bdy. of the township, from which its witness cor., mkd. by a 2½ in. iron post, bears South, 1 ch. dist., set as described in the field notes of T. 23 S., R. 9 E., surveyed concurrently under this same group.

West, bet. secs. 25 and 36.

Over very broken sandstone land, draining northerly, through scattered scrub juniper and pinon; desc. 90 ft. along broken SW. slope.

7.90 Wash, course NW., turning to the W.; continue along N. slope on S. side of wash.

17.80 Wash, course NE. about 2 chs. dist. to junction with wash from the E.; asc. 110 ft. over broken sandstone ledges; on E. slope.

21.10 Spur, projects N.; desc. 110 ft. along broken sandstone ledges on NW. slope.

27.70 Wash, course N.; asc. 180 ft. over broken sandstone ledges on E. slope.

30.40 Rim, bears N. and S.; asc. 30 ft. over top of spur, on E. slope.

37.70 Top of ascent, on spur, slopes N.

40.00 Point for the ¼ sec. cor. of secs. 25 and 36.

Set an iron post, 30 ins. long, 2½ ins. diam., 15 ins. in the ground, and in a mound of stone, 4 ft. base, to top of post, with brass cap mkd.

$$\begin{array}{r} \frac{1}{4} \frac{S \ 25}{S \ 36} \\ 1955 \end{array}$$

Desc. 10 ft. over top of spur, on W. slope.

42.60 Rim, bears NW. and SE.; desc. 110 ft. over broken sandstone ledges, along SW. slope.

47.70 Wash, course NW. about 1 chain to junction with wash from SW., thence northerly; asc. 5 ft. along NE. slope to cor.

48.22 Intersect W. bdy. of the township. Point for the closing cor. of secs. 25 and 36.

Set an iron post, 30 ins. long, 2½ ins. diam., 14 ins. in the ground, and in a mound of stone, 4 ft. base, to top of post, with brass cap mkd.

Survey of a Portion of the Subdivision of T. 23 S., R. 8 E.

Chains

T23S
 R8E R8E
 S25 | S25 - C
 S36 | S36 - C
 1955

From this point, the cor. of secs. 25 and 36, T. 23 S., R. 8 E., bears South, 29.20 chs. dist.

Land, broken sandstone, draining northerly into Cat Canyon.
 Soil, shallow sand, with considerable sandstone exposure.
 Timber, scattered pinon and juniper.

True point for the $\frac{1}{4}$ sec. cor. on the W. bdy. of sec. 36, T. 23 S., R. 8 E.; at midpoint between the closing cor. of T. 23 S., R. 8 E., and T. 24 S., R. 9 E., and the closing cor. of secs. 25 and 36, T. 23 S., R. 8 E., falls on face of small ledge, unsafe place for cor.

Point for the witness cor. bears North, 1.52 chs. dist.

Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., 10 ins. in the ground, and in a mound of stone, 3 $\frac{1}{2}$ ft. bare, to top of post, with brass cap read.

↑
 S 36
 ↓
 C
 1955

From the true point for the $\frac{1}{4}$ sec. cor. of sec. 36, T. 23 S., R. 8 E., the cor. of secs. 25 and 36, T. 23 S., R. 8 E., bears North, 10.78 chs. dist.

General Description

The formation in section 36, T. 23 S., R. 8 E., is broken tan sandstone, draining northerly and northwesterly into Cat Canyon.

The section is covered with scattered juniper and pinon, with very little grass or undergrowth.

The settlement of the section is impracticable due to the lack of water and the roughness of the terrain.

FIELD ASSISTANTS

[illegible]

CERTIFICATE OF CADASTRAL ENGINEER

I, Phil D. Smith, Cartographic Survey Aid, HEREBY CERTIFY upon honor that, in pursuance of special instructions bearing date of the 1st day of April, 1956, I have surveyed a portion of the East Boundary of T. 23 S., R. 8 E.; the south boundary and a portion of the subdivisional lines of T. 23 S., R. 8 1/2 E..

of the Salt Lake Meridian, in the State of Utah, which are represented in the foregoing field notes as having been executed by me and under my direction; and that said survey has been made in strict conformity with said instructions, the Manual of Instructions for the Survey of the Public Lands of the United States, and in the specific manner described in the foregoing field notes.

April 18, 1956
Salt Lake City, Utah

Phil D. Smith
Cartographic Survey Aid

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT,

Washington, D. C., APR 27 1956, 1956

The foregoing field notes of the survey of a portion of the East Boundary of T. 23 S., R. 8 E.; the south boundary and a portion of the subdivisional lines in T. 23 S., R. 8 1/2 E..

executed by Phil D. Smith

having been critically examined and found correct, are hereby approved.

Garland Harrington
Chief, Division of Cadastral Engineering
Cadastral Engineering Staff Office

CERTIFICATE OF TRANSCRIPT

I CERTIFY that the foregoing transcript of the field notes of the above-described surveys in

is a true copy of the original field notes.

Chief, Division of Cadastral Engineering

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

Original

FIELD NOTES

of the

Survey of the South and West Boundaries

and a

Portion of the Subdivision

of

Township 23 South, Range 9 East

Of the Salt Lake Meridian,

the State of Utah

EXECUTED BY

Andrew Nelson, Cartographer (Cadastral)

and

Phil D. Smith, Cartographic Survey Aid

der special instructions dated April 1, 1955, which provided

the surveys included under Group No. 364, approved April 25, 1955

d assignment instructions dated June 23, 1955

Survey commenced June 21, 1955

Survey completed August 19, 1955

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7 31 6	27 32 5	26 33 4	14 34 3	35 2	13 36 1

2220

Township 23 South, Range 9 East

Chains

The north and east boundaries of this township were surveyed by H. W. Miller in 1922.

The following field notes are those of the survey of the south and west boundaries and a portion of the subdivision of T. 23 S., R. 9 E., deemed sufficient in extent to facilitate development of the natural resources and mark the boundaries of those sections that normally are considered State school sections.

The directions of all lines herein reported are determined by deflecting from meridians established by observations upon Polaris and the sun throughout the survey.

Corners on latitudinal lines were set on the true latitudinal curve. Lines connecting previously established corners were run by random and true method, but for simplification of the record, the random lines are omitted from the field notes.

The measurements were made with steel tapes, eight chains in length; these tapes were graduated every link for the first chain and thereafter at intervals of ten links. The tapes were tested by comparison with a standard steel tape, one chain in length, and found to be correct. The measurements were made on the slope, the vertical angle of each interval determined by the use of clinometers, and the slope distances properly reduced to horizontal equivalents, which appear in these notes. All lines of this survey were run by direct methods where the lines were accessible; the inaccessible lines were run by traverse or triangulation methods. The details of such traverses or triangulations have been thoroughly verified, and in order to simplify the record, the diagrams and reductions are omitted from these field notes.

The geographic value for the southeast corner of the township is, latitude $38^{\circ} 45' 53''$ N., longitude $110^{\circ} 51' 15''$ W., as computed from U.S.G.S. Triangulation Station "McKay", located in section 6, T. 24 S., R. 10 E.

The magnetic declination was read at a number of stations throughout the township, and the average of the several readings was found to be $16^{\circ} 02'$ E.

Survey of the South Boundary of T. 23 S., R. 9 E.

Beginning at the original cor. set for Ts. 23 and 24 S., Rs. 9 and 10 E., monumented with an iron post, 3 ins. diam., conforming to the record of the 1922 survey. As this cor. now functions as the cor. of Ts. 23 S., Rs. 9 and 10 E. only, alter the marks on the brass cap to read

T23S
R9E R10E
S36|S31
S 6
T24S R10E
1955
1922

West, on the S. bdy. of sec. 36.

Over rolling and broken land draining westerly, through scattered scrub juniper and pinon; desc. 10 ft.

Wash, course NW.; desc. 40 ft. along NW. slope.

28

Survey of the South Boundary of T. 23 S., R. 9 E.

Chains	
8.90	Recross wash, course SW.; road in wash, bears NE. and SW. Desc. 30 ft. along broken S. slope.
39.20	Point selected for the witness $\frac{1}{4}$ sec. cor. of sec. 36. Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 8 ins. in the ground, and in a mound of stone, 4 ft. base, to top of post, with brass cap mkd. <div style="text-align: center;">$\frac{1}{4}$ S 36 1955</div>
	Desc. 20 ft. along abrupt broken SW. slope.
40.00	True point for the $\frac{1}{4}$ sec. cor. of sec. 36, falls on abrupt broken slope, unsafe place for cor. Desc. 60 ft. along broken SW. slope.
43.80	Recross wash, course NW.; road in bottom of wash, bears NW. and SE.
48.40	The closing cor. of Ts. 24 S., Rs. 9 and 10 E., described in the survey of T. 24 S., R. 10 E. Asc. 70 ft. along broken NE. slope.
64.80	Road, bladed improved, from Tan Seep through Reds Canyon to Tomsich Butte and the Muddy River, bears N. 10° W. and S.; asc. 10 ft. along NE. slope.
66.10	Spur, slopes N.; desc. 210 ft. along broken NW. slope.
80.00	Point for the cor. of secs. 35 and 36. Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 8 ins. in the ground, and in a mound of stone, 4 ft. base, to top of post, with brass cap mkd. <div style="text-align: center;">T23S R9E <u>S35 S36</u> S 1 T24S 1955</div>
	Land, rolling and broken breaks of Reds Canyon. Soil, red clay on shale. Timber, scattered scrub juniper and pinon.
	West, along the S. bdy. of sec. 35. Along the bottom of a gulch, through scattered scrub juniper; desc. 50 ft.
4.40	Wash, course northerly; asc. 90 ft. over abrupt E. slope.
8.30	Spur, slopes NE.
8.39	The $\frac{1}{4}$ sec. cor. on the N. bdy. of sec. 1, described in the survey of T. 24 S., R. 9 E. Desc. 150 ft. along abrupt NW. slope.

Survey of the South Boundary of T. 23 S., R. 9 E.

Chains

- 19.00 Wash, course SW. about 5.00 chs. to junction with wash from the E.
- 23.40 Road, improved, from Tan Seep to Tomsich Butte, bears westerly and NE.; continue along bottom of gulch; desc. 10 ft.
- 39.00 Recross road, bears easterly and NW.; desc. 10 ft.
- 40.00 Point for the $\frac{1}{4}$ sec. cor. of sec. 35.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 15 ins. in the ground, and in a mound of stone, 4 ft. base, to top of post, with brass cap mkd.

$\frac{1}{4}$ S 35
1955

Desc. 5 ft.

- 41.60 Recross wash, course NW.; asc. 50 ft. along NE. slope.
- 43.10 Spur, slopes N. 10° W.; desc. 30 ft. over W. slope.
- 44.00 Wash, course N. 10° W.; asc. 50 ft. along NE. slope.
- 48.39 The cor. of secs. 1 and 2, described in the survey of T. 24 S., R. 9 E.
- Asc. 20 ft. along broken NE. slope.
- 51.00 Top of ascent, on spur, slopes N.; desc. 130 ft. over a series of minor spurs and small washes putting northerly.
- 80.00 Point for the cor. of secs. 34 and 35.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 6 ins. in the ground, and in a mound of stone, 4 ft. base, to top of post, with brass cap mkd.

T23S R9E
S34 | S35
S 2
T24S
1955

Land, broken breaks of Reds Canyon.
Soil, red clay on shale.
Timber, scattered scrub juniper.

West, along the S. bdy. of sec. 34.

Desc. 10 ft.

- .60 Wash, course N. 20° E.; asc. 20 ft. along NW. slope.
- 4.00 Spur, slopes NW.; desc. 30 ft. along broken NW. slope.
- 8.38 The $\frac{1}{4}$ sec. cor. on the N. bdy. of sec. 2, described in the survey of T. 24 S., R. 9 E.
- Desc. 100 ft. along broken NW. slope into Reds Canyon.
- 13.40 Wash, in bottom of Reds Canyon, course SW. from N.; continue along bottom of canyon; desc. 20 ft. to $\frac{1}{4}$ sec. cor.

Survey of the South Boundary of T. 23 S., R. 9 E.

Chains

21.50	Recross wash, course N. 80° W.
29.30	Recross wash, course SW.
31.40	Road, from Tan Seep to Tomsich Butte, at bend, bears N. 70° E. and N. 70° W.
38.70	Recross wash, course NW.
40.00	Point for the $\frac{1}{4}$ sec. cor. of sec. 34. Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 4 ins. in the ground, and in a mound of stone, 4 ft. base, to top of post, with brass cap mkd. $\begin{array}{r} \frac{1}{4} \text{ S } 34 \\ 1955 \end{array}$ Asc. 20 ft. along slight NE. slope.
48.37	The cor. of secs. 2 and 3, described in the survey of T. 24 S., R. 9 E. Asc. 10 ft. along N. slope.
51.50	Spur, slopes N. 20° W.; desc. 70 ft. along NW. slope.
61.40	Recross wash, in bottom of Reds Canyon, course S. 70° W.
64.70	Bend in road, from Tan Seep to Tomsich Butte, bears NE. and NW.
66.80	Recross wash, course N.; asc. over shale ledge 30 ft. high, NE. slope.
67.80	Top of ascent, bears NW. and SE.; desc. 60 ft. along NW. slope.
80.00	Point for the cor. of secs. 33 and 34. Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 14 ins. in the ground, and in a mound of stone, 4 ft. base, to top of post, with brass cap mkd. $\begin{array}{r} T23S \text{ R9E} \\ S33 S34 \\ S \ 3 \\ T24S \\ 1955 \end{array}$ Land, broken breaks and bottom of Reds Canyon. Soil, shallow sand on shale. Timber, scattered scrub juniper.
	West, along the S. bdy. of sec. 33.
	Along the bottom of Reds Canyon, through scattered scrub juniper.
.80	Recross wash, course SW. The road from Tan Seep to Tomsich Butte lies in the bottom of the wash; asc. 30 ft. along SE. slope.
3.90	Spur, projects S.; desc. 20 ft. over broken W. slope.
8.36	The $\frac{1}{4}$ sec. cor. on the N. bdy. of sec. 3, described in the survey of T. 24 S., R. 9 E.

Survey of the South Boundary of T. 23 S., R. 9 E.

Chains

Desc. 110 ft. over broken W. slope.

24.00 Wash, in the bottom of Sulphur Canyon, course SW. about 15 chs. to junction with wash in bottom of Reds Canyon; road in bottom of wash, bears SW. and NE.. Asc. 50 ft. along broken SE. slope.

34.30 Road, unimproved, bears N. and S.; asc. 10 ft. along S. slope.

37.70 Top of ascent, on low spur, slopes S.; desc. 10 ft. along rolling S. slope.

40.00 Point for the $\frac{1}{4}$ sec. cor. of sec. 33.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 14 ins. in the ground, and in a mound of stone, $4\frac{1}{2}$ ft. base, to top of post, with brass cap mkd.

$\frac{1}{4}$ S 33

1955

48.35 The closing cor. of secs. 3 and 4, described in the field notes of the survey of T. 24 S., R. 9 E.

52.90 Wash, course S. 10° E.; asc. 80 ft. along SE. slope.

58.10 Top of ascent, slopes S.; desc. 30 ft. along broken SW. slope.

67.30 Road, to mine, unimproved, bears NW. and SE.

69.50 Recross same road, bears N. and S.; desc. 20 ft. along SW. slope.

71.50 Recross road, bears NW. and SE.; desc. 30 ft. along SW. slope.

78.80 Road, a branch from the same road, bears SW. to a cabin; desc. 20 ft. along broken SW. slope.

79.80 Wash, course SE.; asc. 20 ft. along abrupt NE. slope.

80.00 Point for the cor. of secs. 32 and 33.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 10 ins. in the ground, and in a mound of stone, $3\frac{1}{2}$ ft. base, to top of post, with brass cap mkd.

T23S R9E

S32|S33

S 4

T24S

1955

Land, broken breaks of Reds Canyon.

Soil, sandy red clay on shale.

Timber, scattered scrub juniper and pinon.

West, along the S. bdy. of sec. 32.

Asc. 30 ft. along NE. slope, through scrub juniper and pinon.

4.50 Bottom of abrupt talus slopes, bears NW. and S. 10° E.; asc. 950 ft. over talus slope, broken ledges, and cliffs, along NE. slope.

22.20 Rim, bears NW. and SE.; desc. 80 ft. over broken W. slope, through medium to scattered scrub juniper and pinon.

Survey of the South Boundary of T. 23 S., R. 9 E.

Chains	
40.00	Point for the $\frac{1}{4}$ sec. cor. of sec. 32. Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 20 ins. in the ground, with brass cap mkd. $\frac{1}{4}$ S 32 1955 Deposit a sandstone, $7 \times 7 \times 1\frac{1}{2}$ ins., mkd. with an X, at the base of post. Desc. 50 ft. along rolling SW. slope.
57.10	Wash, course SW.; asc. 80 ft. along SE. slope.
70.90	Top of ascent, bears NW. and S.; desc. 60 ft. along SW. slope.
80.00	Point for the cor. of secs. 31 and 32. Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 20 ins. in the ground, and in a mound of stone, $2\frac{1}{2}$ ft. base, to top of post, with brass cap mkd. T23S R9E <u>S31 S32</u> S 5 T24S 1955 Land, rolling mesa top. Soil, shallow sand on sandstone. Timber, scattered scrub juniper and pinon.
	West, along the S. bdy. of sec. 31. Over broken mesa top, through scrub juniper and pinon; desc. 20 ft. along SW. slope.
1.70	Wash, course S.; asc. 40 ft. along SE. slope.
7.20	Spur, projects S.; desc. 100 ft. over broken W. slope.
20.50	Wash, course S.; asc. 50 ft. along SE. slope.
29.20	Spur, slopes S.; desc. 30 ft. along NW. slope.
40.00	Point for the $\frac{1}{4}$ sec. cor. of sec. 31. Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 20 ins. in the ground, with brass cap mkd. $\frac{1}{4}$ S 31 1955 Deposit a sandstone, $12 \times 16 \times 3$ ins., mkd. with an X, at base of post. Along slight N. slope.
44.10	Wash, course N. 10° E.; asc. 210 ft. along broken NE. slope.
65.20	Spur, slopes N.; desc. 120 ft. along abrupt NW. slope.

Survey of the South Boundary of T. 23 S., R. 9 E.

Chains	
71.60	Wash, course N.; asc. 160 ft. along abrupt NE. slope.
79.03	Point for the cor. of Ts. 23 S., Rs. $8\frac{1}{2}$ and 9 E. Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., over X on solid sandstone, and in a mound of stone, 4 ft. base, to top of post, with brass cap mkd. <div style="text-align: center;"> T23S R8$\frac{1}{2}$E R9E <u>S36 S31</u> T24S R9E S 6 1955 </div> Land, broken sandstone badlands draining northerly. Soil, shallow sand on sandstone. Timber, scattered scrub juniper and pinon.
Survey of the West Boundary of T. 23 S., R. 9 E.	
	From the cor. of Ts. 23 S., Rs. $8\frac{1}{2}$ and 9 E. North, bet. secs. 31 and 36. Over broken sandstone badlands, draining easterly, through scattered scrub juniper and pinon; desc. 250 ft. along abrupt, broken NE. slope.
23.70	Wash, course S. 80° E.; asc. 170 ft. over broken sandstone ledges on S. slope, to witness corner.
40.00	True point for the $\frac{1}{4}$ sec. cor. of secs. 31 and 36, falls on inaccessible ledges.
40.40	Point selected for the witness $\frac{1}{4}$ sec. cor. of secs. 31 and 36. Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 6 ins. in the ground, and in a mound of stone, 4 ft. base, to top of post, with brass cap mkd. <div style="text-align: center;"> $\frac{1}{4}$ S 36 \downarrow S 31 W C 1955 </div> Desc. 50 ft. over N. slope.
44.00	Spur, projects E.; desc. 330 ft. along NE. slope.
65.10	Wash, course NW.; asc. 40 ft. along SW. slope.
67.70	Spur, projects NW.; desc. 50 ft. along NE. slope.
73.30	Wash, course NW.; asc. 160 ft. along abrupt sandstone SW. slope.
77.00	Spur, slopes W.; desc. abruptly 80 ft. along solid sandstone NW. slope.
79.00	Point selected for the witness cor. of secs. 25, 30, 31 and 36. Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 4 ins. in the ground, and in a mound of stone, 4 ft. base, to top of post, with brass cap mkd.

Survey of the West Boundary of T. 23 S., R. 9 E.

Chains

W C
T23S
R8½E | R9E
S25 | S30
S36 | S31
1955

- 80.00 True point for the cor. of secs. 25, 30, 31 and 36, falls in wash, course S. 80° W.
- Land, broken sandstone badlands draining westerly.
Soil, shallow sand on sandstone.
Timber, scattered scrub juniper and pinon.
-
- North, bet. secs. 25 and 30.
- Over broken sandstone badlands draining westerly, through scattered scrub juniper and pinon; asc. 200 ft. over abrupt broken ledges on S. slope.
- 5.40 Ridge, bears NW. and S. 80° E.; desc. 320 ft. over broken abrupt talus slope.
- 21.10 Base of talus slope, bears NW. and SE. Leave timber; desc. 30 ft. across open flat, covered with medium growth of grass.
- 29.60 Wash, from Link Flats, course NW. about 50 lks. to junction with wash in Cat Canyon.
- 30.00 Wash in Cat Canyon, course S. 80° W.; asc. 10 ft. to road.
- 31.00 Road, unimproved, from Cat Canyon to Copper Globe, bears easterly and westerly; enter scrub juniper and pinon.
- 35.30 Spur, slopes SW.; desc. 30 ft. along NW. slope.
- 40.00 Point for the ¼ sec. cor. of secs. 25 and 30.
- Set an iron post, 30 ins. long, 1 in. diam., drilled 10 ins. in solid sandstone, and in a mound of stone, 3½ ft. base, to top of post, with brass cap mkd.
- ¼
S 25 | S 30
1955
- Asc. 10 ft. over broken sandstone, through scattered scrub juniper.
- 45.00 Leave sandstone and timber; enter flat covered with fair growth of grass. Desc. 10 ft. along slight NW. slope.
- 49.40 Wash, course SW.; asc. abruptly 360 ft. along broken sandstone ledges on SE. slope.
- 65.20 Rim of mesa, bears NE. and SW.; desc. 40 ft. along broken NW. slope.
- 69.90 Wash, course W.; asc. 140 ft. over broken ledges on S. slope.
- 77.20 Spur, projects W.; desc. 40 ft. over broken N. slope.
- 80.00 Point for the cor. of secs. 19, 24, 25 and 30.
- Set an iron post, 30 ins. long, 2½ ins. diam., 10 ins. in the ground, and in a mound of stone, 3½ ft. base, to top of post, with brass cap mkd.

Survey of the West Boundary of T. 23 S., R. 9 E.

Chains

T23S
 R8 $\frac{1}{2}$ E R9E
S24 | S19
S25 | S30
 1955

from which

A pinon, 8 ins. diam., bears S. $0^{\circ} 15'$ W., 88 lks. dist.,
 mkd. S30 BT.

Land, broken mesa land, draining westerly.

Soil, shallow sand on sandstone.

Timber, scattered juniper and pinon.

North, bet. secs. 19 and 24.

Over broken mesa land, through pinon and juniper; desc. 10 ft.
 over N. slope.

- .30 Wash, course W.; asc. 50 ft. over S. slope.
- 3.00 Low spur, projects W.; desc. 130 ft. along broken sandstone NW.
 slope.
- 18.10 Wash, course westerly; asc. 100 ft. over broken S. slope.
- 23.80 Spur, slopes N. 70° W.; desc. 80 ft. along broken NE. slope.
- 26.10 Wash, course NW.; asc. 70 ft. along broken SW. slope.
- 38.50 Spur, projects NW.; desc. 10 ft. along NW. slope.
- 40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 19 and 24.

Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., 8 ins. in the
 ground, and in a mound of stone, 3 ft. base, to top of post,
 with brass cap mkd.

$\frac{1}{4}$
 S 24 | S 19
 1955

from which

A pinon, 10 ins. diam., bears S. 36° E., 78 lks. dist.,
 mkd. $\frac{1}{4}$ S19 BT.

A pinon, 7 ins. diam., bears S. $76 \frac{3}{4}^{\circ}$ W., 86 lks. dist.,
 mkd. $\frac{1}{4}$ S30 BT.

Desc. 20 ft. along NE. slope, through medium growth of pinon and
 juniper.

- 43.80 Wash, at junction, course NW. from NE., and SW.; asc. 20 ft.
 along SW. slope.
- 47.70 Spur, slopes NW.; desc. 50 ft. along NE. slope.
- 53.70 Wash, course NW.; asc. 20 ft. over S. slope.
- 56.00 Spur, projects NW.; desc. 190 ft. over broken ledges, along
 NE. slope.

Survey of the West Boundary of T. 23 S., R. 9 E.

Chains

- 65.00 Wash, course NW.; asc. 50 ft. along SW. slope.
- 69.50 Spur, slopes N. 60° W.; desc. 70 ft. over broken ledges on NW. slope.
- 71.50 Wash, course S. 80° W.; asc. 210 ft. over broken ledges along S. slope.
- 77.40 Spur, projects NW.; desc. 100 ft. over broken ledges along NE. slope.
- 80.00 Point for the cor. of secs. 13, 18, 19 and 24.

Set an iron post, 30 ins. long, 2½ ins. diam., 8 ins. in the ground to bedrock, and in a mound of stone, 4 ft. base, to top of post, with brass cap mkd.

T23S
R8½E R9E
S13|S18
S24|S19
1955

Land, rolling and broken sandstone draining northwesterly.
Soil, shallow sand on sandstone.
Timber, scattered to medium pinon and juniper.

North, bet. secs. 13 and 18.

Over rolling and very broken sandstone, draining northwesterly, through scattered to medium growth of pinon and juniper; desc. 140 ft. along broken ledges on NE. slope.

- 5.80 Wash, course N. 30° W.; asc. 120 ft. along broken ledges on SW. slope.
- 9.50 Spur, slopes NW.; desc. 220 ft. over broken ledges along N. slope.
- 19.10 Wash, course S. 80° W.; asc. 200 ft. over broken ledges, along SW. slope.
- 26.10 Rim, bears E. and W.; asc. 10 ft. over gentle S. slope.
- 27.30 Top of ascent, slopes W.; desc. 30 ft. over series of low spurs and small washes, putting westerly.
- 40.00 True point for the ¼ sec. cor. of secs. 13 and 18, falls in wash, course N. 70° W.
- Asc. 10 ft. to witness cor.
- 40.70 Point selected for the witness ¼ sec. cor. of secs. 13 and 18.
- Set an iron post, 30 ins. long, 2½ ins. diam., 6 ins. in the ground, and in a mound of stone, 4 ft. base, to top of post, with brass cap mkd.

¼
S 13 ↓ S 18
W C
1955

Survey of the West Boundary of T. 23 S., R. 9 E.

Chains

from which

A pinon, 6 ins. diam., bears N. $74\frac{1}{2}^{\circ}$ W., 65 lks. dist.,
mkd. X BT.

A pinon, 8 ins. diam., bears N. $50\frac{1}{2}^{\circ}$ E., 75 lks. dist.,
mkd. X BT.

Asc. 35 ft. over S. slope.

44.00 Spur, slopes W.; desc. 60 ft. along broken W. slope.

49.60 Wash, at head, course westerly; asc. 20 ft. along W. slope.

55.90 Spur, slopes NW.; desc. 150 ft. over broken ledges, along NE. slope.

70.60 Wash, course northwesterly; asc. 40 ft. over S. slope.

71.70 Spur, slopes W.; desc. 60 ft. over abrupt N. slope.

73.40 Recross wash, course E.; asc. 120 ft. along SE. slope.

76.30 Spur, slopes E.; desc. 140 ft. along NE. slope.

80.00 Point for the cor. of secs. 7, 12, 13 and 18.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 20 ins. in the
ground, and in a mound of stone, $2\frac{1}{2}$ ft. base, to top of post,
with brass cap mkd.

T23S
R8 $\frac{1}{2}$ E R9E
S12|S7
S13|S18
1955

Raise a mound of stone, $2\frac{1}{2}$ ft. base, 2 ft. high, W. of cor.

Land, broken breaks of side canyon of Devils Canyon.

Soil, shallow sand and gravel.

Timber, scattered pinon and juniper.

North, bet. secs. 7 and 12.

Over very broken land, through juniper and pinon; desc. 20 ft.
over abrupt NE. slope.

1.10 Wash, in bottom of canyon, at bend, course S. 60° W. from SE.;
asc. 130 ft. over broken ledges along SW. slope.

6.80 Rim, bears E. and W.; asc. 20 ft. over S. slope.

17.90 Top of ascent, slopes W.; desc. 90 ft. along NW. slope.

25.20 Wash, course N. 50° W.; asc. 40 ft. along SW. slope.

28.90 Spur, slopes NW.; desc. 50 ft. over N. slope.

40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 7 and 12.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 5 ins. in the
ground, and in a mound of stone, 4 ft. base, to top of post,
with brass cap mkd.

Survey of the West Boundary of T. 23 S., R. 9 E.

Chains

$\frac{1}{4}$
 S 12 | S 7
 1955

from which

A pinon, 8 ins. diam., bears N. $48\frac{1}{2}^{\circ}$ E., 47 lks. dist.,
mkd. S7 BT.

A pinon, 10 ins. diam., bears N. 84° W., 50 lks. dist.,
mkd. S12 BT.

- 40.20 Rim of Devils Canyon, bears westerly and S. 10° E.; desc. 440 ft.
over broken almost impassable ledges, along NE. slope.
- 49.60 Wash, in bottom of Devils Canyon, course N. 80° W.; asc. abruptly
370 ft. over almost impassable ledges, along S. slope.
- 57.80 Rim of Devils Canyon, bears E. and S. 60° W.; desc. 50 ft. along
broken NW. slope.
- 64.40 Wash, course SW.; asc. 40 ft. along SE. slope.
- 72.00 Saddle in ridge, bears S. 60° W. and E.; desc. 50 ft. over N.
slope.
- 79.60 Point selected for the witness cor. of secs. 1, 6, 7 and 12.
- Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 4 ins. in the
ground, and in a mound of stone, 4 ft. base, to top of post,
with brass cap mkd.

T23S
 W C
 $\begin{array}{c|c} R8\frac{1}{2}E & R9E \\ \hline S1 & S6 \\ \hline S12 & S7 \\ 1955 \end{array}$

- 80.00 True point for the cor. of secs. 1, 6, 7 and 12.
- Land, rolling with northwest drainage.
Soil, sandy clay on shale.
Timber, scattered scrub juniper.

North, bet. secs. 1 and 6.

Over rolling land, draining NW.; through scattered scrub juniper;
desc. 10 ft.

- .20 Wash, course N. 80° W.; asc. 20 ft. along SW. slope.
- 3.50 Spur, slopes NW.; desc. 100 ft. along rolling NW. slope.
- 36.90 Wash, course NW.; asc. 15 ft. along SW. slope.
- 40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 1 and 6.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 8 ins. in the
ground to bedrock, and in a mound of stone, 4 ft. base, to top
of post, with brass cap mkd.

$\frac{1}{4}$
 S 1 | S 6
 1955

Survey of the West Boundary of T. 23 S., R. 9 E.

Chains

Corner is located on spur, slopes NW.

Desc. 40 ft. along NE. slope.

45.70 Wash, course NW.; asc. 10 ft. along SW. slope.

51.20 Low spur, slopes NW.; desc. 10 ft. along broken W. slope.

61.50 Slope changes to N.; desc. 70 ft. over N. slope.

79.50 The cor. of Ts. 22 and 23 S., Rs. 8 and 9 E., a 3 in. iron post, set and mkd. as described in the 1922 survey of T. 22 S., R. 8 E.

Land, rolling, draining northwest.

Soil, sandy clay on shale.

Timber, few scattered junipers in draw bottoms.

Survey of a Portion of the Subdivision of T. 23 S., R. 9 E.

From the cor. of secs. 35 and 36, on the S. bdy. of the township.

N. 0° 01' W., bet. secs. 35 and 36.

Desc. abruptly 60 ft. along broken NW. slope.

5.70 Wash, course W.; asc. 150 ft. over broken S. slope.

12.20 Spur, slopes W.; desc. 5 ft.

13.40 Road, bladed, from Tan Seep through Reds Canyon to Tomsich Butte, bears NW. and SE.; desc. 130 ft. along broken NW. slope.

30.30 Wash, course N. 80° W. from SE.; road in bottom of wash, bears easterly to mine on W. side of Family Butte, and SW. about 2 chs. to junction with main road.

Asc. 40 ft. along SW. slope.

34.40 Small spur, slopes SE.; desc. 20 ft. along NW. slope.

35.80 Wash, course S. 60° W.; asc. 30 ft. over S. slope.

40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 35 and 36.

Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., 13 ins. in the ground, and in a mound of stone, 3 ft. base, to top of post, with brass cap mkd.

4

S 35 | S 36

1955

41.00 Wash, course SW. about 4 chs. to junction with wash from E.; asc. 120 ft. along SE. slope.

48.60 Spur, slopes SW.; desc. 130 ft. into Reds Canyon, over a series of minor spurs and small washes putting westerly.

79.00 Point selected for the witness cor. of secs. 25, 26, 35 and 36.

Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., 15 ins. in the ground, and in a mound of stone, 3 ft. base, to top of post, with brass cap mkd.

40

Survey of a Portion of the Subdivision of T. 23 S., R. 9 E.

Chains

W C
T23S R9E
S26 S25
S35 S36
1955

80.00 True point for the cor. of secs. 25, 26, 35 and 36, falls in wash in bottom of Reds Canyon, course W.

Land, broken breaks of Reds Canyon.
Soil, shallow sandy clay on shale.
Timber, scattered scrub juniper and pinon.

From the cor. of secs. 25, 30, 31 and 36, on the E. bdy. of the township, a 2 in. iron post, set and mkd. as described in the 1922 survey.

N. 89° 57' W., bet. secs. 25 and 36.

Asc. 30 ft. over series of small washes and minor spurs, putting SE.

15.00 Spur, slopes SW.; desc. 170 ft. over broken W. slope.

22.10 Wash, course westerly; desc. 60 ft. along bottom of gulch, recrossing wash several times.

32.10 Leave gulch, course NW.; asc. 40 ft. along NE. slope to witness cor.

40.03 True point for the $\frac{1}{4}$ sec. cor. of secs. 25 and 36, falls on abrupt NW. slope, unsafe place for cor.

40.60 Point selected for the witness $\frac{1}{4}$ sec. cor. of secs. 25 and 36.

Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., 8 ins. in the ground, and in a mound of stone, 6 ft. base, to top of post, with brass cap mkd.

$\frac{1}{4}$ $\frac{S\ 25}{S\ 36}$ \rightarrow W
C
1955

Corner is located on a spur, slopes N.

Desc. 130 ft. along NW. slope.

67.30 Wash, in bottom of Reds Canyon, course S.; asc. 40 ft. over E. slope.

69.10 Spur, slopes S.; desc. 80 ft. along broken SW. slope.

76.40 Wash, in bottom of Reds Canyon, course westerly from SE.

80.06 True point for the cor. of secs. 25, 26, 35 and 36. From this point, the witness cor. bears S. 0° 01' E., 1 chain dist.

Land, rough broken breaks of Reds Canyon.
Soil, rocky with sandy clay and shale.
Timber, juniper and pinon.

From the cor. of secs. 33 and 34, on the S. bdy. of the township.

N. 0° 02' W., bet. secs. 33 and 34.

Survey of a Portion of the Subdivision of T. 23 S., R. 9 E.

Chains

Over broken breaks of Reds Canyon, through scattered scrub juniper and pinon.

.80 Road, bladed, unimproved, from Tan Seep to Tomsich Butte, through Reds Canyon, bears NE. and SW.

2.00 Wash, in bottom of Reds Canyon, course SW.

5.10 Road, unimproved, bears NW. and SE.; asc. 300 ft. over talus slope and broken ledges along S. slope.

24.00 Spur, projects SW.; desc. 270 ft. along broken NW. slope.

38.30 Wash, course SW.; asc. 50 ft. along abrupt SE. slope.

38.90 Point for the witness $\frac{1}{4}$ sec. cor. of secs. 33 and 34.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 10 ins. in the ground, and in a mound of stone, 3 ft. base, to top of post, with brass cap mkd.

$\frac{1}{4}$
 W C
 S 33 \uparrow S 34
 1955

Asc. 10 ft. along abrupt broken SE. slope.

40.00 True point for the $\frac{1}{4}$ sec. cor. of secs. 33 and 34, falls on face of broken ledge, 10 ft. high, unable to set corner.

Asc. 330 ft. along almost impassable ledges, along SE. slope.

51.70 Saddle, in spur projecting SW.; desc. abruptly 320 ft. along broken ledges on NW. slope.

60.40 Wash, course W.; asc. abruptly 100 ft. along sandstone ledges on SW. slope.

66.50 Spur, above ledge 80 ft. high, slopes W.; desc. 270 ft. over ledges and abrupt talus on NW. slope.

80.00 Point for the cor. of secs. 27, 28, 33 and 34.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 20 ins. in the ground, and in a mound of stone, $3\frac{1}{2}$ ft. base, to top of post, with brass cap mkd.

T23S R9E
S28|S27
S33|S34
 1955

Point for beginning of traverse, topography estimated.

Land, broken breaks of Sulphur Canyon.

Soil, shallow sand on sandstone.

Timber, scattered scrub juniper and pinon.

N. $0^{\circ} 02'$ W., bet. secs. 27 and 28.

Over broken breaks of Sulphur Canyon, through scattered scrub juniper.

42

Survey of a Portion of the Subdivision of T. 23 S., R. 9 E.

Chains	
2.00	Wash, in bottom of Sulphur Canyon, course SW. from N., side wash enters from E.; asc. 40 ft. along abrupt SE. slope.
5.00	Recross wash, course SE.
7.00	Spur, slopes S. 70° W.; desc. 30 ft. along NW. slope.
10.50	Recross wash, course SW.; asc. about 600 ft. along broken almost impassable SE. slope, to top of high sandstone column about 250 ft. high.
26.50	Top of column; desc. about 430 ft. over almost impassable NW. slope.
37.50	Wash, course SW.; asc. about 720 ft. over broken impassable ledges, along S. slope.
40.00	True point for the $\frac{1}{4}$ sec. cor. of secs. 27 and 28, falls on impassable ledges in breaks of Sulphur Canyon.
43.50	Rim of Sulphur Canyon, bears N. 80° E. and S. 80° W.; asc. 10 ft. over S. slope.
44.40	Point selected for the witness $\frac{1}{4}$ sec. cor. of secs. 27 and 28. Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 4 ins. in the ground to bedrock, and in a mound of stone, 4 ft. base, to top of post, with brass cap mkd.
	<div style="text-align: center;"> $\frac{1}{4}$ S 28 \downarrow S 27 W C 1955 </div>
	End of traverse; thence N. 0° 02' W., along true line.
	Over general NW. slope, through medium to scattered scrub pinon and juniper; desc. 30 ft.
52.30	Wash, course N. 80° W.; desc. 60 ft. along rolling W. slope.
67.40	Wash, course W. about 2 chs. to junction with wash from N.; asc. 20 ft.
72.40	Wash, course S. 30° W.; asc. 10 ft.
79.80	Recross wash, course S. 10° E.
80.00	True point for the cor. of secs. 21, 22, 27 and 28, falls on edge of watercourse, unsafe place for cor. Land, rolling sandstone mesa top. Soil, shallow sand on sandstone. Timber, medium to scattered pinon and juniper.
	N. 0° 02' W., bet. secs. 21 and 22.
	Over rolling top of mesa, draining southwesterly, through scattered to medium juniper and pinon.
.70	Point selected for the witness cor. of secs. 21, 22, 27 and 28. Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., over X on solid sandstone, and in a mound of stone, 4 ft. base, to top of post, with brass cap mkd.

Survey of a Portion of the Subdivision of T. 23 S., R. 9 E.

Chains

T23S R9E
S21 | S22
S28 | S27
 W C
 1955

Asc. 10 ft. along E. side of wash.

4.00 Recross wash, at bend, course SW. from N. 10° W. Road from Cat Canyon to Copper Globe lies in bottom of wash; asc. 40 ft. along SW. slope.

15.20 Recross road from Cat Canyon to Copper Globe, bears NE. and SW.; asc. 10 ft. along NE. slope.

23.60 Recross wash, course southerly from NE.; asc. 170 ft. along ledge and talus slope on SE. slope.

30.90 Ridge, above ledge about 80 ft. high, bears N. 20° E. and SW.; desc. 30 ft. along rolling NW. slope.

40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 21 and 22.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 10 ins. in the ground, and in a mound of stone, 3 ft. base, to top of post, with brass cap mkd.

$\frac{1}{4}$
 S 21 | S 22
 1955

from which

A pinon, 8 ins. diam., bears N. $23\frac{1}{4}^{\circ}$ W., 18 lks. dist., mkd. $\frac{1}{4}$ S21 BT.

A juniper, 5 ins. diam., bears N. $77\frac{1}{4}^{\circ}$ E., 63 lks. dist., mkd. $\frac{1}{4}$ S22 BT.

Desc. 40 ft. along rolling NW. slope.

48.00 Wash, course NW.; desc. 30 ft. along W. slope.

64.60 Road to Copper Globe Mine, bears NE. and SW.; asc. 40 ft. along SW. slope.

79.00 Point selected for the witness cor. of secs. 15, 16, 21 and 22.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 20 ins. in the ground, with brass cap mkd.

T23S R9E
 W C
S16 | S15
S21 | S22
 1955

from which

A pinon, 12 ins. diam., bears N. $69\frac{1}{4}^{\circ}$ W., 49 lks. dist., mkd. X BT.

80.00 True point for the cor. of secs. 15, 16, 21 and 22, falls in wash, course S. 10° W.

47

Survey of a Portion of the Subdivision of T. 23 S., R. 9 E.

Chains	<p>Land, rolling and broken. Soil, shallow sand on sandstone. Timber, scattered pinon and juniper.</p>
	<p>N. 0° 02' W., bet. secs. 15 and 16.</p> <p>Over rolling land, through Copper Globe Flat, through scattered pinon and juniper; asc. 20 ft. over S. slope.</p>
3.50	<p>Spur, slopes SE.; leave timber and continue along W. side of Copper Globe Flat, over almost level land; desc. 10 ft.</p>
40.00	<p>Point for the $\frac{1}{4}$ sec. cor. of secs. 15 and 16.</p> <p>Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 24 ins. in the ground, with brass cap mkd.</p> <div style="text-align: center;">$\frac{1}{4}$ S 16 S 15 1955</div>
	<p>Raise a mound of stone, 3 ft. base, 2 ft. high, N. of cor.</p>
42.80	<p>Wash, course SW. Leave Copper Globe Flat, enter pinon and juniper; asc. 370 ft. along broken sandstone SE. slope.</p>
59.20	<p>Rim, bears NE. and SW.; desc. 30 ft. along W. slope.</p>
80.00	<p>Point for the cor. of secs. 9, 10, 15 and 16.</p> <p>Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 4 ins. in the ground, and in a mound of stone, 4 ft. base, to top of post, with brass cap mkd.</p> <div style="text-align: center;">T23S R9E S9 S10 S16 S15 1955</div>
	<p>from which</p> <p>A pinon, 10 ins. diam., bears N. $35\frac{1}{2}^{\circ}$ W., 29 lks. dist., mkd. S9 BT.</p> <p>A pinon, 4 ins. diam., bears N. $31\frac{3}{4}^{\circ}$ E., 61 lks. dist., mkd. S10 BT.</p> <p>A pinon, 10 ins. diam., bears S. $78\frac{3}{4}^{\circ}$ E., $36\frac{1}{2}$ lks. dist., mkd. S15 BT.</p> <p>A pinon, 8 ins. diam., bears S. $32\frac{1}{4}^{\circ}$ W., 9 lks. dist., mkd. T23S R9E S16 BT.</p> <p>Land, broken sandstone sloping W. Soil, shallow sand on sandstone. Timber, scattered to medium dense juniper and pinon.</p>
	<p>N. 0° 02' W., bet. secs. 9 and 10.</p> <p>Over broken sandstone, through pinon and juniper; asc. 10 ft. along W. slope.</p>
8.50	<p>Rim, bears E. and W.; desc. abruptly 220 ft. along broken sandstone over N. slope.</p>

Survey of a Portion of the Subdivision of T. 23 S., R. 9 E.

Chains

- 13.10 Base of steep descent, bears S. 80° W. and S. 80° E.; desc. 50 ft. along NW. slope.
- 17.90 Wash, course N. 10° E. from SW.; asc. 5 ft. along E. slope.
- 24.50 Low sandstone spur, slopes NE.; desc. 20 ft. over N. slope.
- 28.00 Wash, course NE. for about 2 chs. to junction with wash from S.; desc. 50 ft. along E. slope.
- 40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 9 and 10.
- Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 15 ins. in the ground, and in a mound of stone, $2\frac{1}{2}$ ft. base, to top of post, with brass cap mkd.

$\frac{1}{4}$
 S 9 | S 10
 1955

from which

A pinon, 7 ins. diam., bears N. 40° W., 79 lks. dist., mkd. $\frac{1}{4}$ S9 BT.

A pinon, 20 ins. diam., bears N. 26° E., 37 lks. dist., mkd. $\frac{1}{4}$ S10 BT.

Desc. 10 ft. over N. slope.

- 49.70 Rim of gulch, bears northerly and NW.; asc. 70 ft. along SW. slope, on E. side of gulch.
- 59.50 Top of ascent, on W. side of butte, slopes W.; desc. 220 ft. along abrupt broken NW. slope.
- 74.40 Wash, course NE.; desc. 30 ft. along NE. slope.
- 80.00 Point for the cor. of secs. 3, 4, 9 and 10.
- Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 6 ins. in the ground, and in a mound of stone, $3\frac{1}{2}$ ft. base, to top of post, with brass cap mkd.

T23S R9E
S4 | S3
S9 | S10
 1955

from which

A pinon, 20 ins. diam., bears S. 28° W., 53 lks. dist., mkd. T23S R9E S9 BT.

A pinon, 18 ins. diam., bears S. 31° E., 89 lks. dist., mkd. T23S R9E S10 BT.

Land, broken breaks of Devils Canyon.

Soil, shallow sand on sandstone.

Timber, scattered to medium dense pinon and juniper.

N. 0° 07' W., bet. secs. 3 and 4.

Survey of a Portion of the Subdivision of T. 23 S., R. 9 E.

Chains	
	Over broken land draining NW. into Devils Canyon, through scattered to medium dense pinon and juniper; asc. 60 ft. over broken sandstone S. slope.
8.60	Top of small sandstone butte, on S. rim of Devils Canyon; desc. 40 ft. over broken sandstone, along NE. slope.
11.20	S. rim of Devils Canyon, bears NW. and SE.; desc. 160 ft. over broken sandstone ledges along NE. slope.
14.30	Wash, in bottom of Devils Canyon, course NW.; asc. 30 ft. along broken sandstone SW. slope.
17.80	Spur, slopes W.; desc. 30 ft. along broken sandstone NW. slope.
24.00	Recross wash, in bottom of Devils Canyon, at bend, course NW. from S. 10° W.; asc. 420 ft. over almost impassable sandstone ledges and cliffs, along S. slope.
35.30	Top of E. side of island butte in Devils Canyon, slopes E. about 2 chs. to rim; desc. 160 ft. over broken sandstone ledges on N. slope.
40.00	Point for the $\frac{1}{4}$ sec. cor. of secs. 3 and 4. Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., 8 ins. in the ground, and in a mound of stone, 4 ft. base, to top of post, with brass cap mkd. $\frac{1}{4}$ S 4 S 3 1955 Desc. 90 ft. over abrupt broken sandstone ledges on N. slope.
43.50	Wash, in bottom of side gulch, course N. 70° W. into Devils Canyon; asc. 280 ft. over broken sandstone on S. slope.
47.30	Spur, slopes SW.; desc. 170 ft. along broken sandstone NW. slope.
53.10	Wash, course SW. about 9 chs. dist. to junction with wash from SE.; asc. 280 ft. along broken sandstone ledges on SE. slope.
59.50	N. rim of Devils Canyon, bears NE. and SW.; desc. 30 ft. over shale land, through medium dense juniper and pinon, along NW. slope.
72.20	Wash, course N. 80° W.; desc. 40 ft. along broken NW. slope.
80.18	The cor. of secs. 3, 4, 33 and 34, on the N. bdy. of the township, a 2 in. iron post, set and mkd. as described in the 1922 survey of T. 22 S., R. 9 E. Land, rough broken breaks of Devils Canyon. Soil, rocky with shallow sandy clay. Timber, juniper and pinon.
	From the cor. of secs. 1, 2, 35 and 36, on the N. bdy. of the Tp., a 2 in. iron post, set and mkd. as described in the 1922 survey of T. 22 S., R. 9 E. S. 0° 01' E., bet. secs. 1 and 2. Over broken sandstone breaks of Eagle Canyon, through medium dense juniper and pinon; asc. 50 ft. along W. side of broken sandstone spur, sloping N. 10° W.

Survey of a Portion of the Subdivision of T. 23 S., R. 9 E.

Chains

- 26.00 Wash, 20 lks. wide, 6 ft. deep, course N. 20° W.; asc. abruptly 150 ft. over sandstone ledge.
- 33.10 Rim, bears easterly and westerly; asc. 10 ft. over small point, projecting W.
- 37.70 Rim, bears NW. and SE.; desc. 50 ft. over broken sandstone ledges, along abrupt SW. slope.
- 40.06 Point for the $\frac{1}{4}$ sec. cor. of secs. 1 and 2.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 8 ins. in the ground, and in a mound of stone, 4 ft. base, to top of post, with brass cap mkd.

$\frac{1}{4}$
S 2 | S 1
1955

Asc. 70 ft. along broken rim, on W. slope.

- 68.40 Ridge, bears easterly and westerly; desc. 110 ft. along SE. slope, over broken sandstone, through medium dense juniper and pinon.
- 80.06 Point for the cor. of secs. 1, 2, 11 and 12.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 8 ins. in the ground, and in a mound of stone, 4 ft. base, to top of post, with brass cap mkd.

T23S R9E
S2 | S1
S11 | S12
1955

Land, broken breaks of Devils Canyon.
Soil, shallow sand on sandstone.
Timber, medium dense juniper and pinon.

S. 89° 58' W., bet. secs. 2 and 11, on a theoretical parallel connecting the cor. of secs. 1 and 12 on the E. bdy. of the township and the cor. of secs. 3, 4, 9 and 10, as specified in the special instructions.

Asc. 80 ft. along broken sandstone SE. slope.

- 12.00 Top of ascent, slopes SW.; desc. 50 ft. over broken sandstone W. slope.
- 27.10 N. rim of Devils Canyon, bears N. 20° E. and SW.; desc. 100 ft. over broken sandstone ledges along W. slope.
- 30.20 Base of abrupt descent, bears N. and S.; desc. 140 ft. along broken sandstone NW. slope.
- 38.10 Wash, course S. 20° W.
- 39.50 Point selected for the witness $\frac{1}{4}$ sec. cor. of secs. 2 and 11.
- Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 6 ins. in the ground, and in a mound of stone, 4 ft. base, to top of post, with brass cap mkd.

Survey of a Portion of the Subdivision of T. 23 S., R. 9 E.

Chains

$$\frac{1}{4} \frac{W \leftarrow S 2}{G \leftarrow S 11}$$

1955

- 40.00 True point for the $\frac{1}{4}$ sec. cor. of secs. 2 and 11, falls on face of sandstone ledge.
- Asc. 100 ft. over broken sandstone ledges along SE. slope, from the witness corner.
- 48.10 Spur, slopes SW.; desc. 120 ft. over broken sandstone ledges on W. slope.
- 54.00 Wash, course S. 20° W.; asc. 90 ft. over broken sandstone ledges along SE. slope.
- 59.00 Spur, slopes SW.; desc. 20 ft. over W. slope.
- 64.00 Road, unimproved, from Justensen Flat to Copper Globe, bears N. 80° E. and N. 80° W.; desc. 50 ft. over broken sandstone on W. slope.
- 71.20 Wash, course SW.; asc. 10 ft. along broken sandstone S. slope.
- 76.00 Spur, slopes S.; desc. 10 ft. along SW. slope.
- 80.00 Point for the cor. of secs. 2, 3, 10 and 11.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 6 ins. in the ground, and in a mound of stone, 4 ft. base, to top of post, with brass cap mkd.

T23S R9E

$$\frac{S3|S2}{S10|S11}$$

1955

Land, broken breaks of Devils Canyon.
Soil, shallow sand on sandstone.
Timber, medium dense juniper and pinon.

N. 0° $01'$ W., bet. secs. 2 and 3.

Over broken breaks of Devils Canyon, through medium dense juniper and pinon; asc. 10 ft. along SW. slope.

- 1.50 Spur, slopes SW.; desc. 30 ft. along NW. slope.
- 3.90 Road from Justensen Flat to Copper Globe, bears E. and W.; desc. 30 ft. along broken sandstone W. slope.
- 10.00 Beginning of abrupt ascent; asc. 210 ft. over broken sandstone ledges on S. slope.
- 13.60 Top of ascent; desc. 40 ft. over W. slope, across Justensen Flat, through scattered juniper and pinon.
- 34.20 Wash, course W.; road, from Moore to Copper Globe, in bottom of wash; asc. 20 ft. along W. slope.
- 40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 2 and 3.
- Set an iron post, 30 ins. long, 1 in. diam., 10 ins. in the ground, and in a mound of stone, $3\frac{1}{2}$ ft. base, to top of post, with brass cap mkd.

Survey of a Portion of the Subdivision of T. 23 S., R. 9 E.

Chains

$\frac{1}{4}$
 S 3 | S 2
 1955

from which

A pinon, 14 ins. diam., bears N. 84° E., 57 lks. dist.,
mkd. $\frac{1}{4}$ S2 BT.

A juniper, 7 ins. diam., bears N. $41\frac{1}{2}^{\circ}$ W., 21 lks. dist.,
mkd. $\frac{1}{4}$ S3 BT.

Desc. 20 ft. along gentle W. slope.

63.00 Beginning of abrupt descent; desc. 240 ft. along broken sandstone
NW. slope.

80.15 True point for the cor. of secs. 2, 3, 34 and 35, on the N. bdy.
of the township, from which its witness cor. bears East, 6 chs.
dist., mkd. by a 2 in. iron post, conforming to the record.

Land, rolling to broken, draining northeasterly.
Soil, shallow sand and considerable sandstone outcroppings.
Timber, medium dense juniper and pinon.

From the true point for the cor. of secs. 15, 16, 21 and 22.

West, bet. secs. 16 and 21.

Over broken sandstone ledges, through scattered juniper and pinon;
asc. 20 ft. over E. slope.

3.20 Top of ascent; desc. 60 ft. along broken sandstone S. slope.

16.50 Wash, course S. 10° E. from N. 10° E.; asc. 30 ft. along SE.
slope.

21.50 Top of ascent, slopes S.; desc. 30 ft. along SW. slope.

25.90 Wash, course S. from NW.; asc. 180 ft. along broken sandstone
SE. slope.

40.00 True point for the $\frac{1}{4}$ sec. cor. of secs. 16 and 21, falls in small
wash, course S.

Asc. 100 ft. over broken sandstone ledges along SE. slope.

41.90 Point selected for the witness $\frac{1}{4}$ sec. cor. of secs. 16 and 21.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 10 ins. in the
ground, and in a mound of stone, 4 ft. base, to top of post,
with brass cap mkd.

$\frac{1}{4}$ $\frac{S\ 16}{S\ 21}$ \rightarrow W
 1955 C

from which

A pinon, 12 ins. diam., bears South, 44 lks. dist.,
mkd. X BT.

A pinon, 12 ins. diam., bears N. $56\frac{1}{2}^{\circ}$ E., 113 lks. dist.,
mkd. X BT.

Survey of a Portion of the Subdivision of T. 23 S., R. 9 E.

Chains

45.40

80.00

Asc. 40 ft. over broken sandstone ledges, along SE. slope.

Rim, bears NE. and S. 10° W.; over rolling mesa top, through dense pinon and juniper; desc. 80 ft. along SW. slope.

Point for the cor. of secs. 16, 17, 20 and 21.

Set an iron post; 30 ins. long, $2\frac{1}{2}$ ins. diam., 8 ins. in the ground, and in a mound of stone, 3 ft. base, to top of post, with brass cap mkd.

T23S R9E

S17 | S16

S20 | S21

1955

from which

A pinon, 20 ins. diam., bears N. $60\frac{1}{2}^{\circ}$ E., 50 lks. dist., mkd. S16 BT.A pinon, 16 ins. diam., bears N. $56\frac{1}{4}^{\circ}$ W., 50 lks. dist., mkd. T23S R9E S17 BT.A pinon, 24 ins. diam., bears S. $54\frac{1}{4}^{\circ}$ W., 31 lks. dist., mkd. T23S R9E S20 BT.A pinon, 14 ins. diam., bears S. $37\frac{1}{2}^{\circ}$ E., 70 lks. dist., mkd. T23S R9E S21 BT.

Land, rolling and broken mesa, draining westerly.

Soil, shallow sand on sandstone.

Timber, dense juniper and pinon.

N. $0^{\circ} 03'$ W., bet. secs. 16 and 17.

Over rolling mesa top, through dense pinon and juniper; asc. 40 ft. along W. slope.

30.90

Wash, course W.

34.50

Wash, course SW.; asc. 20 ft. over S. slope.

40.00

Point for the $\frac{1}{4}$ sec. cor. of secs. 16 and 17.Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 24 ins. in the ground, with brass cap mkd. $\frac{1}{4}$

S 17 | S 16

1955

from which

U.S.G.S. triangulation station "Devil", bears S. $64^{\circ} 33'$ W., 43.62 chs. dist.A juniper, 8 ins. diam., bears N. $97\frac{1}{2}^{\circ}$ E., 102 lks. dist., mkd. $\frac{1}{4}$ S16 BT.A juniper, 20 ins. diam., bears N. $65\frac{1}{2}^{\circ}$ W., 37 lks. dist., mkd. $\frac{1}{4}$ S17 BT.

Survey of a Portion of the Subdivision of T. 23 S., R. 9 E.

Chains

- 42.80 Jeep trail, bears E. and S. 70° W.; leave timber and desc. 10 ft. across clearing.
- 56.50 Enter medium dense growth of juniper and pinon; desc. 30 ft. along slight NE. slope.
- 68.50 Wash, course NE.; desc. 10 ft. along E. slope.
- 80.00 Point for the cor. of secs. 8, 9, 16 and 17.
- Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 24 ins. in the ground, with brass cap mkd.

T23S R9E
S8|S9
S17|S16
1955

Raise a small mound of stone, W. of cor.
from the corner

A pinon, 10 ins. diam., bears N. $40\frac{1}{2}^{\circ}$ E., 42 lks. dist.,
mkd. T23S R9E S9 BT.

A pinon, 20 ins. diam., bears S. $9\frac{1}{2}^{\circ}$ E., 48 lks. dist.,
mkd. T23S R9E S16 BT.

A pinon, 16 ins. diam., bears S. $76\frac{1}{2}^{\circ}$ W., 60 lks. dist.,
mkd. T23S R9E S17 BT.

Land, rolling and broken mesa, draining northerly.
Soil, sand with sandstone outcroppings.
Timber, scattered juniper and pinon.

From the cor. of secs. 9, 10, 15 and 16.

N. $89^{\circ} 57'$ W., bet. secs. 9 and 16.

Through medium dense timber; desc. 20 ft. over abrupt W. slope.

2.00 Wash, course N. 10° W.; asc. 10 ft. over E. slope.

4.10 Low spur, slopes N. 10° W.; desc. 130 ft. over broken sandstone W. slope.

20.90 Wash, course westerly from SE.; continue along S. bank of wash.

24.20 Enter same wash, course W. from N. 80° E.; continue in wash.

25.30 Leave wash, course NW.; asc. 10 ft. along NE. slope.

27.50 Spur, slopes NW.; desc. 60 ft. along NW. slope.

36.50 Wash, course NW. about 3 chs. to junction with wash from E.; asc. 20 ft. along broken sandstone NE. slope.

39.96 Point for the $\frac{1}{4}$ sec. cor. of secs. 9 and 16.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 10 ins. in the ground, and in a mound of stone, 3 ft. base, to top of post, with brass cap mkd.

Survey of a Portion of the Subdivision of T. 23 S., R. 9 E.

Chains

$$\frac{1}{4} \begin{array}{l} S 9 \\ S 16 \\ 1955 \end{array}$$

from which

A juniper, 9 ins. diam., bears N. $74 \frac{3}{4}^{\circ}$ W., 33 lks. dist.,
mkd. $\frac{1}{4}$ S9 BT.

A juniper, 7 ins. diam., bears S. $52 \frac{1}{2}^{\circ}$ E., $12 \frac{1}{2}$ lks. dist.,
mkd. $\frac{1}{4}$ S16 BT.

Asc. 40 ft. along broken sandstone NE. slope.

45.30 Spur, slopes NW.; desc. 100 ft. over broken sandstone, along SW.
slope.

52.20 Wash, course NW. about 4 chs. to junction with wash from S.

56.10 Wash, course N. to junction with wash from SE.; asc. abruptly
60 ft. over broken sandstone ledges along E. slope.

59.30 Spur, slopes N.; desc. 60 ft. over broken sandstone NW. slope.

71.20 Wash, course N. from SW.; asc. 30 ft. along broken sandstone
ledges on SE. slope.

79.92 The cor. of secs. 8, 9, 16 and 17.

Land, very broken sandstone, draining northerly.
Soil, shallow sand with considerable sandstone exposure.
Timber, medium dense pinon and juniper.

From the cor. of secs. 32 and 33, on the S. bdy. of the township.
N. $0^{\circ} 03'$ W., bet. secs. 32 and 33.

Asc. 1140 ft. over steep talus slope and broken ledges on S. slope.

21.20 Rim, on top of S. end of butte, bears E. and W.; desc. 10 ft.
over top of butte.

31.00 Rim of butte, bears E. and southerly; desc. 130 ft. along broken
sandstone NW. slope, through scattered pinon and juniper.

40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 32 and 33.

Set an iron post, 30 ins. long, $2 \frac{1}{2}$ ins. diam., 10 ins. in the
ground, and in a mound of stone, 3 ft. base, to top of post,
with brass cap mkd.

$$\frac{1}{4} \begin{array}{l} S 32 \mid S 33 \\ 1955 \end{array}$$

from which

A juniper, 12 ins. diam., bears S. $49 \frac{1}{2}^{\circ}$ W., $71 \frac{1}{2}$ lks. dist.,
mkd. $\frac{1}{4}$ S32 BT.

A pinon, 16 ins. diam., bears S. $38 \frac{1}{4}^{\circ}$ E., 50 lks. dist.,
mkd. $\frac{1}{4}$ S33 BT.

Survey of a Portion of the Subdivision of T. 23 S., R. 9 E.

Chains

Desc. 30 ft. along gentle NW. slope.

49.80 Bottom of descent; asc. 70 ft. over broken sandstone S. slope.

55.30 Top of ascent, slopes SE.; desc. 80 ft. along broken sandstone NE. slope.

60.40 Base of abrupt descent; leave timber; desc. 60 ft. over grassy NW. slope.

80.00 Point for the cor. of secs, 28, 29, 32 and 33.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 20 ins. in the ground, with brass cap mkd.

T23S R9E

S29 | S28S32 | S33

1955

Deposit broken glass at bottom of post..

Land, rolling, grassy bench.

Soil, shallow sand on sandstone.

No timber.

From the cor. of secs. 31 and 32, on the S. bdy. of the township.

N. $0^{\circ} 03'$ W., bet. secs. 31 and 32.

.50 Wash, course W. about 2 chs., thence S.; asc. 30 ft. along SW. slope.

5.70 Spur, slopes S. 80° W.; desc. 90 ft. across Link Flats, covered with fair growth of grass, no timber, along NE. slope.

20.10 Wash, course NW.; asc. 10 ft. over rolling, grassy flat, along NW. slope.

28.30 Strip of timber, bears E. and W.; desc. 20 ft. over rolling, grassy Link Flats, along NW. slope.

40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 31 and 32.Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 20 ins. in the ground, with brass cap mkd. $\frac{1}{4}$

S 31 | S 32

1955

Deposit a sandstone, $10 \times 10 \times 7$ ins., mkd. with an X at bottom of post.

Corner sets on rise on slight NW. slope.

Desc. 40 ft. over N. slope.

48.50 Wash, course N. 80° W.; asc. 30 ft. along SW. slope.

54.50 Begin ascent; asc. abruptly 270 ft. over broken sandstone ledges on general S. slope.

Survey of a Portion of the Subdivision of T. 23 S., R. 9 E.

Chains	
71.10	Rim of mesa, bears SE. and SW.; asc. 40 ft. over broken mesa top on S. slope.
80.00	Point for the cor. of secs. 29, 30, 31 and 32. Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 7 ins. in the ground, and in a mound of stone, 4 ft. base, to top of post, with brass cap mkd. <div style="text-align: center;"> T23S R9E <u>S30 S29</u> <u>S31 S32</u> 1955 </div> Land, broken mesa top, draining northerly. Soil, shallow sand on sandstone. Timber, medium dense juniper and pinon.
	From the cor. of secs. 28, 29, 32 and 33. West, bet. secs. 29 and 32. Over rolling, grassy Link Flats; desc. 60 ft. to cor.
8.30	Belt of timber, about 4 chs. wide, bears NW. and SW.
24.40	Enter scattered juniper and pinon.
39.98	Point for the $\frac{1}{4}$ sec. cor. of secs. 29 and 32. Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 20 ins. in the ground, with brass cap mkd. <div style="text-align: center;"> $\frac{1}{4}$ <u>S 29</u> <u>S 32</u> 1955 </div> No accessories available. Desc. 30 ft. along NW. slope.
52.10	Bottom of descent; asc. 160 ft. along broken sandstone ledges on NE. slope.
58.80	Spur, slopes N.; desc. 120 ft. over broken sandstone ledges on W. slope.
63.50	Wash, course N.; asc. 220 ft. over broken sandstone ledges on E. slope.
74.00	Spur, slopes N.; desc. 50 ft. over broken sandstone NW. slope.
79.96	The cor. of secs. 29, 30, 31 and 32. Land, rolling. Soil, shallow sand with sandstone outcroppings. Timber, none; fair growth of grass on Link Flats.

FIELD ASSISTANTS

10-53565 2

CERTIFICATE OF CADASTRAL ENGINEER.

We, Andrew Nelson and Phil D. Smith, HEREBY CERTIFY upon honor that, in pursuance of special instructions bearing date of the 1st day of April, 1956, we have surveyed the south and west boundaries and a portion of the subdivision of T. 23 S., R. 9 E.

of the Salt Lake Meridian, in the State of Utah, which are represented in the foregoing field notes as having been executed by ~~me~~^{us} and under ~~my~~^{our} direction; and that said survey has been made in strict conformity with said instructions, the Manual of Instructions for the Survey of the Public Lands of the United States, and in the specific manner described in the foregoing field notes.

Salt Lake City, Utah
April 2, 1956

Phil D. Smith
Cartographic Survey Aid
Andrew Nelson
Cartographer (Cadastral)

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT,

Washington, D. C., JUN 27 1956, 1956

The foregoing field notes of the survey of the south and west boundaries and a portion of the subdivision of T. 23 S., R. 9 E.

executed by Andrew Nelson and Phil D. Smith

having been critically examined and found correct, are hereby approved.

Earl G. Harrington
Cadastral Engineering Staff Officer.

CERTIFICATE OF TRANSCRIPT

I CERTIFY that the foregoing transcript of the field notes of the above-described surveys in _____, is a true copy of the original field notes.

Cadastral Engineering Staff Officer.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

Original

FIELD NOTES

of the

Resurvey of the East Boundary

and

Survey of the North Boundary

and

A Portion of the Subdivision

of

Township 23 South, Range 12 East

Of the Salt Lake Meridian,

the State of Utah

EXECUTED BY

Andrew Nelson, Cartographer (Cadastral)

and

Phil D. Smith, Cartographic Survey Aid

under special instructions dated June 29, 1955, which provided

for the surveys included under Group No. 361, approved July 13, 1955

and assignment instructions dated September 2, 1955

Survey commenced September 7, 1955

Survey completed October 11, 1955

INDEX DIAGRAM

Township 23 South, Range 12 East

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19		20	21	15 22	23	24 3
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31		32	26 33	13 34	35	12 36 2

2324

Township 23 South, Range 12 East

Chains

The east boundary of the township was surveyed as the west boundary of T. 23 S., R. 13 E., by H. W. Miller and R. E. Clark, in 1912. Corners on this line were initiated from the corner of Ts. 23 and 24 S., Rs. 12 and 13 E. and marked for both ranges 12 and 13 E. The west boundary was surveyed as the east boundary of T. 23 S., R. 11 E. by J. C. Clark in 1934. The south boundary is concurrently surveyed as the north boundary of T. 24 S., R. 12 E., Group No. 363, and described in returns of the township by Nelson and Smith.

The following field notes are those of a resurvey of the east boundary for establishment of new corners for R. 12 W. only; survey of the north boundary, and survey of a portion of the subdivisional lines of T. 23 S., R. 12 E., deemed sufficient in extent to facilitate development of the natural resources and mark the boundaries of those sections that are normally considered State school sections.

The survey was executed with Buff & Buff transit No. 23831, and W. and L. E. Gurley solar transit No. 54331, both constructed in accordance with the standard specifications of the Bureau of Land Management. The instruments were in good condition, having been placed in proper adjustment prior to the beginning of the field work. The instruments were tested and checked frequently during the progress of the survey.

The directions of all lines herein reported are determined by deflecting from meridians established by observations upon Polaris throughout the survey.

Corners on latitudinal lines were set on the true latitudinal curve. Lines connecting previously established corners were run by random and true method, but for simplification of the record, the random lines are omitted from the field notes. In accordance with the intent of the special instructions, all subdivisional corners established are calculated to be at the positions they would occupy if the entire township were subdivided.

The measurements were made with steel tapes, eight chains in length, graduated every link for the first chain and thereafter at intervals of ten links. The tapes were tested by comparison with a standard steel tape, one chain in length, and found correct. The measurements were made on the slope, the vertical angle of each interval determined by the use of clinometers, and the slope distances properly reduced to true horizontal equivalents, which appear in these field notes. All lengths of lines were determined by chaining where possible, otherwise by triangulation or traverse. The details of such triangulations and traverses have been thoroughly verified, and in order to simplify the record, the diagrams and reductions are omitted from these notes.

The geographic position of the southeast corner of this township as determined from tie to U.S.G.S. Triangulation Station "ERNIE", located N. 13° 52' W., 11.16 chs. dist. from cor. of Ts. 23 and 24 S., R. 12 E., is latitude 38° 45' 53.33"; longitude 110° 32' 39" W. The average magnetic declination was found to be approximately 16° 00' E. The geographic position of "ERNIE" is latitude 38° 46' 00.402" N., longitude 110° 32' 41.192" W.

In the original survey of the east boundary, T. 23 S., R. 11 E., by Clark in 1933 and 1934, the corners were marked for both Rs. 11 and 12. As T. 23 S., R. 12 E. is fractional, being only about 372 chs. in width, all marks on the corner monuments along this line were altered to read the correct sections now bordering upon the line.

Resurvey of the East Bdy., T. 23 S., R. 12 E.

Chains									
	<p>The west boundary of T. 23 S., R. 13 E., was surveyed by H. W. Miller and R. E. Clark in 1912, under Group No. 18, with the establishment of corners at intervals of 40 and 80 chs. from the SW. cor. of the Tp. As these corners can no longer function for subdivisional cors. of R. 12 E., they are altered to refer to secs. of R. 13 E. only, and new corners for T. 23 S., R. 12 E. are established at intervals of 40 and 80 chs. from the SE. cor. of T. 23 S., R. 12 E.</p> <p>For topography along this line, see field notes of the 1912 survey.</p> <p>Thence from the cor. of Ts. 23 and 24 S., R. 12 E., mkd. by an iron post, $2\frac{1}{2}$ ins. diam., described in survey of N. bdy. of T. 24 S. R. 12 E., Group No. 363. This cor. is North, 14.06 chs. dist. from the cor. of Ts. 23 and 24 S., R. 13 E.</p> <p>North, along E. bdy., sec. 36; adopting the record courses and distances given in the original 1912 survey.</p>								
25.94	<p>The original $\frac{1}{4}$ sec. cor. of secs. 31 and 36, mkd. by an iron post, 1 in. diam., conforming to the 1912 record. I alter the marks on brass cap to refer to sec. 31 only, as follows:</p> <div style="text-align: center;"> $\frac{1}{4}$ S31 1955 1912 </div>								
40.00	<p>Point for the $\frac{1}{4}$ sec. cor. of sec. 36.</p> <p>Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 4 ins. in the ground to rock, and supported in a mound of stone, 4 ft. base to top, with brass cap mkd.</p> <div style="text-align: center;"> $\frac{1}{4}$ S36 1955 </div> <p>Cor. is located on top of spur, near N. edge, sloping E., 180 ft. above last cor.</p>								
65.94	<p>The original cor. set for secs. 25, 30, 31 and 36, mkd. by an iron post, 2 ins. diam., conforming to the 1912 record. As this cor. now refers to secs. 30 and 31 only, alter marks on brass cap to read:</p> <div style="text-align: center;"> <table border="0"> <tr><td></td><td>T23S</td></tr> <tr><td>R12E</td><td>R13E</td></tr> <tr><td>S36</td><td><u>S30</u></td></tr> <tr><td></td><td>S31</td></tr> </table> 1955 1912 </div>		T23S	R12E	R13E	S36	<u>S30</u>		S31
	T23S								
R12E	R13E								
S36	<u>S30</u>								
	S31								
80.00	<p>Point for the cor. of secs. 25 and 36, T. 23 S., R. 12 E.</p> <p>Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 20 ins. in the ground, and supported in a mound of stone, 4 ft. base to top, with brass cap mkd.</p> <div style="text-align: center;"> <table border="0"> <tr><td>T23S</td><td></td></tr> <tr><td>R12E</td><td>R13E</td></tr> <tr><td><u>S25</u></td><td></td></tr> <tr><td>S36</td><td>S30</td></tr> </table> 1955 </div>	T23S		R12E	R13E	<u>S25</u>		S36	S30
T23S									
R12E	R13E								
<u>S25</u>									
S36	S30								

Resurvey of the E. Bdy., T. 23 S., R. 12 E.

Chains

Cor. is located on slight SE. slope on top of flat spur between 2 gulches, junction bears easterly about 5 chs. dist.; drains E. and is 90 ft. below last cor.

North, along E. bdy. of sec. 25.

25.94

The original $\frac{1}{4}$ sec. cor. set for secs. 25 and 30, monumented with an iron post, 1 in. diam., conforming to the 1912 record; this cor. now refers to sec. 30 only, alter the marks on brass cap to read:

$$\begin{array}{c} \frac{1}{4} \\ S30 \\ 1955 \\ 1912 \end{array}$$

40.00

Point for the $\frac{1}{4}$ sec. cor. of sec. 25.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., over cross (X) in sandstone surface, and supported in a large mound of stone, 4 ft. base to top, with brass cap mkd.

$$\begin{array}{c} \frac{1}{4} \\ S25 \\ 1955 \end{array}$$

Cor. is located on S. edge of small rock gully, 15 ft. deep, draining SE., and is 65 ft. above last cor.

65.94

The original cor. set for secs. 19, 24, 25 and 30, monumented by an iron post, 2 ins. diam., conforming to the record; this cor. now refers to secs. 19 and 30 only, alter marks on brass cap to read:

$$\begin{array}{c} T23S \\ R13E \\ S19 \\ S25 \overline{S30} \\ 1955 \\ 1912 \end{array}$$

80.00

Point for the cor. of secs. 24 and 25, T. 23 S., R. 12 E.

Set an iron post, $2\frac{1}{2}$ ins. diam., 30 ins. long, over a cross (X) cut in sandstone surface, and supported in a mound of stone, 5 ft. base to top of post, with brass cap mkd.

$$\begin{array}{c} T23S \\ R12E \overline{R13E} \\ S24 \overline{S19} \\ S25 \\ 1955 \end{array}$$

Cor. is on a S. slope, 60 ft. above last cor.

North, along E. bdy., sec. 24.

25.94

The original $\frac{1}{4}$ sec. cor. set for secs. 19 and 24, monumented by

Resurvey of the E. Bdy., T. 23 S., R. 12 E.

Chains

an iron post, 1 in. diam., conforming to the 1912 record; as this cor. now refers to sec. 19 only, alter marks on brass cap to read:

$\frac{1}{4}$
 S19
 1955
 1912

38.00 Point for the witness cor. to the $\frac{1}{4}$ sec. cor. of sec. 24.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., over a cross (X) cut into sandstone surface, and supported in a large mound of stone to top, with brass cap mkd.

W C
 $\frac{1}{4}$
 S24
 1955

This W.C. is located on the S. rim of Straight Canyon, bearing about E. and W. at this point. Canyon is about 1000 ft. deep with inaccessible walls.

40.00 True point for the $\frac{1}{4}$ sec. cor. of sec. 24 falls on precipitous N. face of canyon wall.

65.94 True point for cor. of secs. 18 and 19.

66.41 The original witness cor. set for secs. 13, 18, 19 and 24, monumented by an iron post, 2 ins. diam., conforming to the 1912 record. As this cor. now functions as cor. of secs. 18 and 19 only, alter marks on the brass cap to read:

T23S
 R12E | R13E
 S24 | S18
 | S19
 W C
 1955
 1912

80.00 Point for the cor. of secs. 13 and 24, T. 23 S., R. 12 E.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 10 ins. in the ground to rock, and supported in a large mound of stone to top, with brass cap mkd.

T23S
 R12E | R13E
 S13 | S18
 S24 |
 1955

North, along E. bdy. of sec. 13.

85.94 The original $\frac{1}{4}$ sec. cor. set for secs. 13 and 18, monumented by an iron post, 1 in. diam., conforming to the record; as this cor. now refers to sec. 18 only, alter marks on the brass cap to read:

Resurvey of the E. Bdy., T. 23 S., R. 12 E.

Chains

$$\begin{array}{r} \frac{1}{4} \\ S18 \end{array}$$

1955

1912

40.00 Point for the $\frac{1}{4}$ sec. cor. of sec. 13.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 6 ins. in the ground to rock, and supported in a mound of stone, 4 ft. base, to top, with brass cap mkd.

$$\begin{array}{r} \frac{1}{4} \\ S13 \end{array}$$

1955

65.94 The original cor. set for secs. 7, 12, 13 and 18, monumented by an iron post, 2 ins. diam., conforming to the record. As this cor. now refers to secs. 7 and 18 only, alter marks on brass cap to read:

$$\begin{array}{r} T23S \\ R13E \\ R12E \quad S \quad 7 \\ S13 \quad \hline S18 \end{array}$$

1955

1912

80.00 Point for the cor. of secs. 12 and 13, T. 23 S., R. 12 E.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 2 ins. in the ground to bedrock, and supported in a mound of stone, 4 ft. base to top, with brass cap mkd.

$$\begin{array}{r} T23S \\ R12E \\ S12 \quad R13E \\ \hline S13 \quad S \quad 7 \end{array}$$

1955

North, along the E. bdy. of sec. 12.

25.94 The original $\frac{1}{4}$ sec. cor. set for secs. 7 and 12, monumented by an iron post, 1 in. diam., conforming to the 1912 record; as this cor. now refers to sec. 7 only, alter the marks on brass cap to read:

$$\begin{array}{r} \frac{1}{4} \\ S \quad 7 \end{array}$$

1955

1912

40.00 Point for the $\frac{1}{4}$ sec. cor. of sec. 12.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., over a cross (X) cut in sandstone surface, and supported in a mound of stone, 4 ft. base to top, with brass cap mkd.

$$\begin{array}{r} \frac{1}{4} \\ S12 \end{array}$$

1955

Resurvey of the E. Bdy., T. 23 S., R. 12 E.

Chains

65.94

The original cor. set for secs. 1, 6, 7 and 12, monumented by an iron post, 2 ins. diam., conforming to the 1912 record; as this cor. now refers to secs. 6 and 7 only, alter the marks on brass cap to read:

	T23S
R12E	R13E
S12	S 6
	S 7
	1955
	1912

80.00

Point for the cor. of secs. 1 and 12.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 18 ins. in the ground to rock, and supported in a mound of stone to top, with brass cap mkd.

	T23S
R12E	R13E
S 1	S 6
S12	
	1955

Cor. is located on steep N. slope of mesa, 75 ft. below last cor.

North, along E. bdy. of sec. 1.

25.94

The original $\frac{1}{4}$ sec. cor. set for secs. 1 and 6, monumented by an iron post, 1 in. diam., conforming to the 1912 record; as this cor. now refers to sec. 6 only, alter the marks on brass cap to read:

	$\frac{1}{4}$
	S 6
	1955
	1912

40.00

Point for the $\frac{1}{4}$ sec. cor. of sec. 1.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 20 ins. in the ground, and supported in a small mound of stone around post, with brass cap mkd.

	$\frac{1}{4}$
S 1	
	1955

Cor. is located on nearly level ground in flat.

65.94

The original cor. set for Ts. 22 and 23 S., Rs. 12 and 13 E., monumented by an iron post, 3 ins. diam., conforming to the 1912 record. As this cor. now functions as the cor. of Ts. 22 and 23 S., R. 13 E. only, alter the marks on brass cap to read:

	T22S
R12E	R13E
S 1	S31
	S 6
	T23S
	1955
	1912

Resurvey of the E. Bdy., T. 23 S., R. 12 E.

Chains

79.56

The cor. of Ts. 22 and 23 S., R. 12 E., hereinafter described in the survey of the N. bdy. of T. 23 S., R. 12 E.

Survey of the North Boundary, T. 23 S., R. 12 E.

Beginning at the original cor. of Ts. 22 and 23 S., Rs. 11 and 12 E., hereinafter described. East, for alignment only, bet. Ts. 22 and 23 S., through range 12 E.; and at 372.38 chs. intersect the W. bdy. of sec. 31, T. 22 S., R. 13 E., North, 13.62 chs. dist. from cor. of Ts. 22 and 23 S., R. 13 E., hereinbefore described in the resurvey of the E. bdy. of the Tp.

At point of intersection and point for the cor. of Ts. 22 and 23 S., R. 12 E.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 4 ins. in the ground to rock, and supported in a mound of stone, 4 ft. base to top of post, with brass cap mkd.

T22S	
R12E	T22S
<u>S36</u>	R13E
S 1	S31
T23S	

1955

Cor. is located on slight S. slope in valley, 20 ft. above the old Tp. cor.

Thence:

West, bet. secs. 1 and 36, on the N. bdy. of T. 23 S., R. 12 E.

Over gently rolling open valley land, through short scattered undergrowth; desc. 20 ft. to rim.

- 7.00 Leave open land, enter medium dense timber, bears N. and SE.
- 18.80 E. rim of draw, bears N. and S.; desc. abruptly over ledges.
- 22.30 Hyde Draw, 60 ft. deep, narrow rock bottom, drains S. 10° W.
- 25.00 W. rim of draw; thence gradually asc. 30 ft.
- 40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 1 and 36.
- Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 4 ins. in the ground to rock, and supported in a mound of stone, 4 ft. base to top, with brass cap mkd.
- | | |
|---------------|------------|
| $\frac{1}{4}$ | <u>S36</u> |
| | S 1 |
- 1955
- 45.00 Top of rise, 10 ft. above cor., slopes S.; begin slight descent over broken land facing S.
- 74.50 Junction of draws from N. 30° W. and N. 20° E., drains S. 20° W., 80 ft. deep; asc. over SE. slope 100 ft.
- 80.00 Point for the cor. of secs. 1, 2, 35 and 36.

Chains

Set an iron post, 30 ins. long, 2½ ins. diam., 4 ins. in the ground to rock, and supported in a mound of stone, 5 ft. base to top, with brass cap mkd.

T22S R12E
 S35|S36
 S 2|S 1
 T23S
 1955

Cor. is on gentle SE. slope.

Land, rolling and low broken; general southerly exposure and drainage towards Straight Wash.

Soil, rocky and shallow sand and clay; sandstone formation.

Timber, medium dense juniper and pinon on W. 73 chs.

Undergrowth, scattered shadscale and mountain rush; good grazing on E. portion.

West, bet. secs. 2 and 35.

Over low broken land, general southerly exposure, through medium dense scrub timber; along S. slope.

- 2.00 Rise, slopes S.
- 5.30 Small shallow draw, drains S. 10° E.
- 10.00 Rise, slopes S.; gradually desc. rocky SW. slope.
- 21.30 Begin steep descent over W. slope.
- 24.70 Gulch, 75 ft. deep, and 140 ft. below rise, drains S. 10° W.; asc.
- 30.20 Top of ascent, 90 ft. above draw, slopes S.
- 31.60 Draw, 50 ft. deep, drains S.
- 35.50 Begin gradual descent along S. slope on N. side of draw.
- 39.00 Draw, 20 ft. deep, drains S. 70° E.
- 39.94 Point for the witness cor. to the ¼ sec. cor. of secs. 2 and 35.
- Set an iron post, 30 ins. long, 2½ ins. diam., on top of broken sandstone surface, supported in a mound of stone, 5 ft. base to top, with brass cap mkd.
- S35
 ¼ W ←
 C
 S 2
 1955
- 40.00 True cor. point for ¼ sec. cor. falls on face of 3 ft. ledge, impracticable to set cor. monument.
- Asc. 50 ft. over NE. slope.
- 43.70 Thence over gradual SE. slope.
- 58.50 Shallow hollow, 15 ft. deep, drains SE. and heads 1 ch. NW.

N. Bdy., T. 23 S., R. 12 E.

Chains

- 66.80 Top of ascent, 100 ft. above $\frac{1}{4}$ sec. cor., slopes SE. from N.; desc. 40 ft. over W. slope.
- 73.00 E. rim of canyon, bears N. and S. 30° E.; abrupt descent W. slope over ledges, 200 ft.
- 78.30 Red Draw, drains nearly S.; abrupt ascent.
- 80.00 True point for the cor. of secs. 2, 3, 34 and 35, falls on abrupt E. slope of canyon on unsafe place for cor; therefore at
- 81.00 Point for the witness cor. to cor. of secs. 2, 3, 34 and 35.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 4 ins. in the ground to rock, and supported in a mound of stone, 5 ft. base to top, with brass cap mkd.

T22S R12E
 $\frac{S34}{S3} | \frac{S35}{S2} \rightarrow$ W
 C
 T23S
 1955

The W. C. is located on shelf of canyon wall, 130 ft. above bottom.

Land, rough and broken; general southerly slope and drainage to Straight Wash.

Soil, sandstone surface rock with shallow sandy clay in places.

Timber, medium dense scrub juniper and pinon.

West, bet. secs. 3 and 34.

Counting distances from true cor. point.

Over broken land, through medium dense timber; asc. abrupt E. slope.

1.00 The witness cor.

2.50 W. rim of Red Draw, 90 ft. above the W.C., bears N. 30° W. and S. 10° E.

Continue gradual ascent over E. slope.

6.30 Slope changes to NE.

12.20 Top of ascent, 70 ft. above rim; thence along N. slope.

19.60 Shallow draw, near head, drains N. 20° E.

31.90 E. rim of branch gulch, bears N. 30° W. and S. 30° E. for 1 ch., thence southeasterly; desc. abruptly 145 ft. over ledges.

36.40 Gulch, drains S. 30° E. about 10 chs. dist. to junction with Straight Wash; heads about 13 chs. dist.; asc. 130 ft. over ledges.

40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 3 and 34.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 4 ins. in the ground to rock, and supported in a mound of stone, 4 ft. base to top, with brass cap mkd.

$\frac{1}{4} \frac{S34}{S3}$
 1955

N. Bdy., T. 23 S., R. 12 E.

Chains

Cor. is located on an E. slope.

45.30 Top of rise, 40 ft. above cor., bears NW. and slopes SE.

53.00 E. rim of canyon, bears NW. and SE.; abrupt descent of 220 ft. over ledges.

58.30 Bottom of Straight Wash, in canyon, drains SE.; abrupt ascent of 220 ft.

65.00 W. rim of canyon, bears NW. and SE.; gradually asc. 70 ft.

80.00 Point for the cor. of secs. 3, 4, 33 and 34.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 4 ins. in the ground to rock, and supported in a mound of stone, 4 ft. base to top, with brass cap mkd.

T22S R12E

S33 | S34

S 4 | S 3

T23S

1955

Cor. is located on a gradual E. slope.

Land, rough and broken; general SE. slope and drainage.

Soil, rocky with shallow sandy loam.

Timber, medium dense scrub juniper and pinon.

West, bet. secs. 4 and 33.

Over rolling and broken land, through medium dense timber; asc. 30 ft.

5.50 Ridge, bears NW. and SE.; thence over rolling bench, descending 30 ft.

40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 4 and 33.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 2 ins. in the ground to bedrock, and supported in a mound of stone, 4 ft. base to top, with brass cap mkd.

$\frac{1}{4}$ S33
S 4

1955

Cor. is located on slight SW. slope.

45.70 Sandstone draw, 50 ft. deep, drains S.; asc.

47.00 Thence gradually asc. 50 ft. over gentle E. slope on bench.

55.00 Leave nearly all timber, enter opening, bears NW. and S^W.

70.50 Leave opening, re-enter timber, bears N. and SE.

80.00 Point for the cor. of secs. 4, 5, 32 and 33.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 12 ins. in the ground to rock, and supported in a mound of stone, 4 ft. base to top, with brass cap mkd.

N. Bdy., T. 23 S., R. 12 E.

Chains

T22S R12E
S32|S33
S 5|S 4
T23S
1955

Cor. is located on nearly level ground, 50 ft. above $\frac{1}{4}$ sec. cor.

Land, rolling and broken; general SE. slope and drainage.

Soil, rocky, with shallow sandy clay.

Timber, medium dense to scattered juniper and pinon.

West, bet. secs. 5 and 32.

Over rolling and broken land, through scattered timber; gradually asc. 20 ft. over bench.

19.00 The SE. base of mesa butte, bears N. and SW.; begin steep ascent over broken SE. slope.

26.50 Thence along steep S. slope.

34.00 Top of ascent on steep S. slope of butte, 140 ft. above cor.; begin gradual descent along broken S. slope.

40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 5 and 32.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 16 ins. in the ground to rock, and supported in a mound of stone, 3 ft. base to top, with brass cap mkd.

$\frac{1}{4} \frac{S32}{S 5}$
1955

Cor. is located on a SW. slope, 40 ft. below top of ascent, on talus slope of butte.

Desc. 90 ft. along S. and SW. slopes of butte.

52.38 The cor. of Ts. 22 and 23 S., Rs. 11 and 12 E., mkd. by an iron post, 3 ins. diam., properly mkd., set and witnessed as described in the 1934 survey record.

This Tp. cor. is located at the SW. base of mesa butte.

Land, rolling and broken.

Soil, rocky with shallow sandy clay; sandstone formation.

Timber, scattered scrub juniper and pinon.

Survey of a Portion of the Subdivision, T. 23 S., R. 12 E.

Beginning at the true point for the cor. of secs. 1, 2, 35 and 36, on the S. bdy. of the Tp.; witness cor. to same bears East, 1.00 ch. dist. and is monumented by an iron post, $2\frac{1}{2}$ ins. diam., described in the survey of the N. bdy., T. 24 S., R. 12 E., under Group No. 363, and is located on top of a high vertical rim ledge facing W.

Thence from the true cor. point.

Subdivision, T. 23 S., R. 12 E.

Chains	
	N. 0° 01' W., bet secs. 35 and 36.
	Desc. along abrupt W. face of rim over ledges and talus slope.
30.00	W. base of rim, about 250 ft. below true cor. point, bears N. 20° E. and S. 10° W.; thence along broken gradual westerly slope of bench, through scattered timber.
39.80	Point for the witness cor. to the $\frac{1}{4}$ sec. cor. of secs. 35 and 36. Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 12 ins. in the ground to rock, and supported in a mound of stone, 3 ft. base to top, with brass cap mkd.
	$\begin{array}{c} \frac{1}{4} \\ \hline S35 S36 \\ \hline 1955 \end{array}$
40.00	True point for the $\frac{1}{4}$ sec. cor. falls in bottom of small rock gully, 10 ft. deep, drains W., unsafe place for monumentation. Gradually desc. along broken NW. slope.
48.00	Draw, near head, drains NW. about 2 chs. to junction, thence SW.
51.50	Draw, 60 ft. deep, 70 ft. below cor., drains SW.; gradually asc. broken SW. and W. slopes.
59.50	Draw, 60 ft. deep, drains SW., head of box, 2 chs. NE.
80.00	Point for the cor. of secs. 25, 26, 35 and 36. Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 12 ins. in the ground to rock, and supported in a mound of stone, 4 ft. base to top, with brass cap mkd.
	$\begin{array}{c} T23S. R12E \\ \hline S26 S25 \\ \hline S35 S36 \\ \hline 1955 \end{array}$
	Cor. is located on bench, 125 ft. above the $\frac{1}{4}$ sec. cor.
	Land, S. portion is abrupt W. face of high sandstone rim of San Rafael Reef; N. portion is broken bench, general SW. slope and drainage. Soil, rocky of sandstone formation, with shallow sandy clay. Timber, scattered scrub juniper and pinon.
	From the cor. of secs. 25 and 36, on the E. bdy. of the Tp. S. 89° 46' W., bet. secs. 25 and 36. Over rough and broken land, through very scattered timber; gradually asc. 90 ft. over E. to NE. slope.
14.50	Top of ascent on N. slope of low flat spur, slopes N. 60° E.; desc. W. slope.
17.60	Rocky gulch, 40 ft. deep, 1 ch. wide, drains NE.; thence along N. side.

Subdivision, T. 23 S., R. 12 E.

Chains

34.50 Junction of gulch from NW. and draw from S. 80° W., drains S. 80° E.; gradually asc.

39.00 Wash, 20 lks. wide, in shallow draw, drains S. 80° E.

39.35 Point for witness cor. to the $\frac{1}{4}$ sec. cor. of secs. 25 and 36.

Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., 12 ins. in the ground to rock, and supported in a large mound of stone to top, with brass cap mkd.

$\frac{1}{4}$ W $\xleftarrow{\text{S25}}$
 C $\xleftarrow{\text{S36}}$
 1955

This W. C. is located on S. edge of wash on N. slope, about 125 ft. above sec. cor.

39.95 The true point for $\frac{1}{4}$ sec. cor. falls in rocky wash, in shallow draw, drains N. 85° E.; thence up along wash, crossing and recrossing same.

53.50 Leave wash near head, draining easterly; begin abrupt ascent over E. face of rim, 190 ft.

62.00 Top of 80 ft. vertical sandstone ledge and top of rim, 285 ft. above the $\frac{1}{4}$ sec. cor., in cove bearing NE. and SE.; thence over rolling top of mesa; asc. 65 feet to cor.

79.90 The cor. of secs. 25, 26, 35 and 36.

Land, rough and broken slopes of benches and mesa.
 Soil, rocky with shallow sandy clay and shale.
 Timber, scattered scrub juniper and pinon.

From the cor. of secs. 3, 4, 33 and 34, on the S. bdy. of the Tp., monumented by an iron post, 2 $\frac{1}{2}$ ins. diam., described in the survey of the N. bdy. of T. 24 S., R. 12 E., Group 363.

N. 0° 02' W., bet. secs. 33 and 34.

Over low broken land facing easterly, through scattered scrub timber; gently descending NE. slope.

10.80 Rocky gulch, 60 ft. deep, 105 ft. below cor., drains SE.; asc. 110 ft.

27.50 Top of rise on bench, slopes SE.; thence over broken E. slope.

31.30 Small draw, drains SE.

35.40 Rocky gulch, 100 ft. deep, drains SE.; asc.

40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 33 and 34.

Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., over a cross (X) cut in sandstone surface, and supported in a mound of stone, 5 ft. base to top, with brass cap mkd.

$\frac{1}{4}$
 S33 | S34
 1955

Chains

Cor. is located on a gradual SW. slope, about level with sec. cor.
Continue over very broken general easterly slope.

45.00 Rise bet. draws, slopes SE.

49.00 Rocky gulch, 50 ft. deep, drains SE.

55.80 Rocky gulch, 50 ft. deep, drains SE.

59.30 Rocky gulch, 40 ft. deep, drains SE.

68.90 S. rim of small butte, bears E. and W.; thence over top.

70.20 N. edge of same, bears NW. and SE.; desc. steep broken N. slope
215 ft.

76.40 Bottom of Ernie Canyon, drains SE.; junction of gulch entering
from the N. bears up canyon about 1 ch. dist.; asc. 60 ft. along W.
slope.

80.00 Point for the cor. of secs. 27, 28, 33 and 34.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., over cross (X) cut
in sandstone surface, and supported in a mound of stone, 4 ft. base
to top, with brass cap mkd.

T23S R12E

S28 | S27

S33 | S34

1955

Cor. is set on shelf of rock, on SW. slope and about $\frac{1}{2}$ ch. E. of
draw from the N.

Land, broken bench, cut by several gulches; general SE. slope and
drainage.

Soil, rocky with shallow sandy clay and shale.

Timber, scattered juniper and pinon.

N. $0^{\circ} 02'$ W., bet. secs. 27 and 28.

Over rough, broken and rocky land, through medium dense timber;
gradually asc. along bottom of gulch from N.

14.40 Leave bottom of gulch, drains S. 5° W. from NE.; asc. broken S.
and SE. slopes, 200 ft.

23.80 Top of ascent on mesa, bears NW. and SE.; thence over top.

25.00 Rim of same gulch, bears NW. and SE.; desc. abruptly over ledges,
175 ft.

36.50 Recross same gulch, drains SE.; asc. abrupt SW. slope.

39.50 Point for the witness cor. to the $\frac{1}{4}$ sec. cor. of secs. 27 and 28.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 4 ins. in the
ground to rock, and supported in a mound of stone, to top, with
brass cap mkd.

$\frac{1}{4}$
W C

S28 | S27

1955

Subdivision, T. 23 S., R. 12 E.

Chains

- 40.00 True point for the $\frac{1}{4}$ sec. cor. falls on steep rocky slope where it is impracticable to set cor. monument.
- 41.20 Small branch gully, 20 ft. deep, drains S. 20° W.; asc.
- 56.00 Top of S. edge of mesa, 105 ft. above the W. C., bears E. and W.; thence over rolling top, gentle E. slope.
- 80.00 Point for the cor. of secs. 21, 22, 27 and 28.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., over cross (X) cut in sandstone surface, and supported in a mound of stone, 4 ft. base to top, with brass cap mkd.

T23S R12E
 S21 | S22
 S28 | S27
 1955

Cor. is set in small cove facing SW.

Land, rough and broken; general SE. slope and drainage.
 Soil, rocky, with shallow sandy clay and shale.
 Timber, scattered juniper and pinon.

N. 0° 02' W., bet. secs. 21 and 22.

Over rough and broken land, through scattered scrub timber; asc.

- 5.20 Top of high point on mesa, 50 ft. above cor.; thence over broken top.
- 20.00 Dim jeep track road, unimproved, bears westerly and SE.
- 22.50 Begin descent over broken N. slope.
- 28.30 Rocky gulch, 55 ft. deep, drains E.; asc. 100 ft.
- 40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 21 and 22.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., over a cross (X) cut into sandstone surface, and supported in a mound of stone, 4 ft. base to top, with brass cap mkd.

$\frac{1}{4}$
 S21 | S22
 1955

from which,

A pinon, 6 ins. diam., bears S. $15\frac{1}{2}$ ° E., 70 lks. dist., mkd. $\frac{1}{4}$ S22 BT.

A pinon, 8 ins. diam., bears S. 70 $\frac{1}{2}$ ° W., 60 lks. dist., mkd. $\frac{1}{4}$ S21 BT.

- 40.50 Top of small round rocky knoll; gradually desc. to rim.
- 55.00 S. rim of canyon, bears NW. and SE.; abrupt descent over ledges.
- 58.00 Canyon, 100 ft. deep, narrow bottom, drains SE.; abrupt ascent.

Subdivision, T. 23 S., R. 12 E.

Chains

- 62.40 N. rim of canyon, bears NW. and SE.; thence gradually asc. broken SW. and W. slopes, 60 ft.
- 72.70 High point on W. slope; desc. 20 ft. along W. slope to cor.
- 77.00 Depression on W. slope, 50 ft. deep, drains W. about 3 chs. to gulch draining S.
- 80.00 Point for the cor. of secs. 15, 16, 21 and 22.
- Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 4 ins. in the ground to rock, and supported in a mound of stone, 4 ft. base to top, with brass cap mkd.

T23S R12E

S16 | S15

S21 | S22

1955

from which,

A pinon, 6 ins. diam., bears N. $56\frac{1}{2}^{\circ}$ E., 68 lks. dist., mkd. only BT.

A pinon, 6 ins. diam., bears S. $18\frac{1}{2}^{\circ}$ W., 79 lks. dist., mkd. only BT.

Cor. is set on gradual S. slope, 90 lks. E. of E. rim of gulch, bearing nearly N. and S.

Land, rough and broken; general southeasterly exposure and drainage.

Soil, rocky of sandstone formation, with shallow sandy clay and shale.

Timber, scattered to medium dense scrub juniper and pinon.

N. $0^{\circ} 02'$ W., bet. secs. 15 and 16.

Over rough and broken mesa land, through medium dense timber; gradually desc. along broken W. slope on E. side of gulch.

- 15.00 E. edge of bottom of gulch, 50 ft. deep, at bend, drains S. 10° W. from N. 20° W.; continue along E. edge of same.

- 22.00 Junction of main gulch from N. 30° E. and small branch gulch from NW., drains S. 20° W.; asc. SE. slope.

- 26.00 W. rim of gulch; thence gradually ascend SE. slope 40 feet.

- 40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 15 and 16.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 2 ins. in the ground to rock, and supported in a mound of stone, 4 ft. base to top, with brass cap mkd.

$\frac{1}{4}$
|
S16 | S15
|
1955

from which,

A pinon, 10 ins. diam., bears N. $16\frac{1}{2}^{\circ}$ E., 90 lks. dist., mkd. only BT.

Subdivision, T. 23 S., R. 12 E.

Chains

A pinon, 6 ins. diam., bears S. $33\frac{1}{2}^{\circ}$ W., 114 lks. dist.,
mkd. only BT.

Gradually asc. 60 ft. along easterly slope to sec. cor.

52.00 Shallow draw, drains E.

60.00 Shallow draw, drains SE.

80.00 Point for the cor. of secs. 9, 10, 15, and 16.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 6 ins. in the
ground to rock, and supported in a mound of stone, 4 ft. base to
top, with brass cap mkd.

T23S R12E
S 9 | S10
S16 | S15
1955

from which,

A scrub juniper, 20 ins. diam., bears N. $19\frac{1}{2}^{\circ}$ E., 66 lks.
dist., mkd. only S10 BT.

A pinon, 7 ins. diam., bears S. $28\frac{1}{2}^{\circ}$ E., 100 lks. dist.,
mkd. S15 BT.

A pinon, 18 ins. diam., bears N. 62° W., 29 lks. dist.,
mkd. S9 BT.

Land, rolling and broken; general easterly slope; drainage S.
Soil, gravelly and rocky.

Timber, scattered to medium dense juniper and pinon.

N. 0° $02\frac{1}{2}^{\circ}$ W., bet. secs. 9 and 10.

Over rolling land, through medium dense timber; slight ascent over
SE. slope.

9.40 Leave timber, enter grassy flat, bears E. and W.

21.30 Wash, drains E. to NE.

25.00 Leave open flat, re-enter timber.

40.00 Point for the sec. cor. of secs. 9 and 10.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 10 ins. in the
ground to rock, and supported in a mound of stone, 4 ft. base to
top, with brass cap mkd.

4
S 9 | S10
1955

from which,

A pinon, 12 ins. diam., bears S. $13\frac{1}{4}^{\circ}$ E., 35 lks. dist.,
mkd. $\frac{1}{4}$ S10 BT.

A pinon, 12 ins. diam., bears N. 2° W., 69 lks. dist.,
mkd. $\frac{1}{4}$ S9 BT.

77

Subdivision, T. 23 S., R. 12 E.

Chains

Cor. is on S. slope at S. base of mesa, 60 ft. above sec. cor.

Asc. steep S. slope of mesa, 250 ft.

52.20 Top of S. edge of mesa top, bears NE. and SW.; thence across nearly level top through heavier timber; asc. 10 ft.

69.00 N. edge of top, bears SW., and extends NE. for about 2 chs. dist., thence southerly; desc. steep N. face of mesa, 250 ft. to cor.

76.00 N. base of mesa, bears E. and SW.; gradual descent over N. slope.

80.00 Point for the cor. of secs. 3, 4, 9 and 10.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 8 ins. in the ground to rock, and supported in a mound of stone, 4 ft. base to top, with brass cap mkd.

T23S R12E

S 4 | S 3

S 9 | S 10

1955

from which,

A pinon, 7 ins. diam., bears N. $77\frac{3}{4}^{\circ}$ E., 92 lks. dist., mkd. S3 BT.

A pinon, 8 ins. diam., bears S. $69\frac{1}{4}^{\circ}$ E., 73 lks. dist., mkd. S10 BT.

A pinon, 8 ins. diam., bears S. 36° W., 57 lks. dist., mkd. S9 BT.

Land, rolling and broken.

Soil, sandy clay, shale and rocky.

Timber, scattered to medium dense juniper and pinon.

N. $0^{\circ} 12'$ E., bet. secs. 3 and 4.

Over broken bench land facing N., through scattered timber; gradually desc. 120 ft.

21.80 S. rim of Crawford Draw, general bearing NE. and SW.; desc. 75 ft. over N. and NE. slopes of cove.

26.50 Begin abrupt descent over canyon wall, 200 ft.

31.50 Bottom of Crawford Draw, course NE. for about 7 chs.; thence northerly; abrupt ascent of 240 ft. over N. canyon wall.

35.00 Point for the witness cor. to the $\frac{1}{4}$ sec. cor. of secs. 3 and 4.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., over a cross (X) cut into sandstone surface, and supported in a mound of stone, 4 ft. base to top, with brass cap mkd.

$\frac{1}{4}$
W C
↑
S 4 | S 3

1955

The W. C. is set on top of rocky spur point from the W. and on N. rim of canyon.

Subdivision, T. 23 S., R. 12 E.

Chains

Thence along steep broken E. slope.

- 39.70 Rocky point and S. rim of branch canyon, bears westerly and SE.; abrupt descent over N. face of canyon wall, 225 ft. to bottom.
- 40.00 True point for the $\frac{1}{4}$ sec. cor. falls on inaccessible N. face of canyon wall.
- 43.50 Bottom of a branch canyon from the NW., drains easterly about 7 chs. dist. to junction with Crawford Draw, draining E. from S.; abrupt ascent of 200 ft. over rim ledges.
- 46.60 N. rim of canyon, bears E. and NW.; thence gradually asc. SE. and S. slopes, 145 ft. to cor. over broken sandstone surface rock.
- 61.00 Enter sandy soil and heavier timber.
- 80.03 The cor. of secs. 3, 4, 33 and 34 on the N. bdy. of the Tp.
- Land, broken and rugged, cut by deep canyons with nearly vertical rim edges.
Soil, rocky of sandstone formation, with shallow sandy clay.
Timber, scattered to medium dense juniper and pinon.

From the cor. of secs. 1, 2, 35 and 36, on the N. bdy. of the Tp.

S. 0° 01' E., bet. secs. 1 and 2.

Over rough broken land, through medium dense scrub timber; desc. broken S. slope, 120 ft.

- 9.20 Draw, 40 ft. deep, drains SW. for about 10 chs. dist. to junction with Straight Wash; asc. broken NW. slope.
- 12.90 Small side draw, 50 ft. deep, heads E. about 4 chs., drains W.
- 16.50 Top of abrupt ascent and rim, 170 ft. above draw, bears NE. and SW.; gradually asc. 20 ft.
- 25.50 Top of ascent on bench spur, projects W. about 12 chs. dist. to point; desc. 70 ft.
- 30.20 N. rim of canyon, bears N. 80° W. and S. 80° E.; abrupt descent of 260 ft. over canyon wall.
- 33.50 Bottom of Straight Wash, drains E. for about 6 chs., thence SE.; abrupt ascent over S. canyon wall, 210 ft.
- 37.00 S. canyon rim, bears E. and W.; gradually asc. 25 ft. over N. slope.
- 40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 1 and 2.

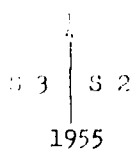
Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 3 ins. in the ground to bedrock, and supported in a mound of stone, 4 ft. base to top, with brass cap mkd.

$\frac{1}{4}$
S 2 | S 1
1955

Asc. 110 ft. over broken N. slope, over small ledges.

Chains	
48.10	Top of ascent on bench, bears nearly W. and slopes SE.; desc. S. slope.
52.00	Rim facing S., bears E. and SW.; thence along rough breaks on W. side of Straight Wash.
56.00	Side draw, 50 ft. deep, drains SE. about 10 chs. dist. to junction with Straight Wash; continue along steep E. slope.
65.00	Rim of Straight Wash, bears NE. and S. 10° W.; thence along abrupt canyon wall, gradually descending.
80.00	The true point for cor. of secs. 1, 2, 11 and 12, falls on abrupt E. slope of ledge, about 2 chs. W. of bottom of canyon, where it is impracticable to set cor. monument. It is witnessed West, 2.60 chs. dist.; for description of cor. see line bet. secs. 2 and 11. Land, rough and broken, cut by deep canyon. Soil, mostly sandstone bedrock, with shallow sandy clay. Timber, scattered to medium dense juniper and pinon.
	West, bet. secs. 2 and 11; from true cor. point. Over rough broken land, through scattered timber; abrupt ascent over E. slope on W. wall of canyon.
2.60	Point for the witness cor. to cor. of secs. 1, 2, 11 and 12. Set an iron post, 30 ins. long, 2½ ins. diam., 4 ins. in the ground to bedrock, and supported in a mound of stone, 4 ft. base, to top, with brass cap mkd. <div style="text-align: center;"> T23S R12E S 2 S 1 W S11 S12 → C 1955 </div> This witness cor. stands on top of ledge point from N. on top of W. rim of canyon wall of Straight Wash, about 150 ft. above the true cor. point. Asc. along rough SE. and S. slopes.
14.80	Draw, 60 ft. deep, drains SE.
17.00	Slope changes to an E. slope.
22.00	Top of a 40 ft. rim facing E., bears N. and S.
40.00	Point for the sec. cor. of secs. 2 and 11. Set an iron post, 30 ins. long, 2½ ins. diam., 12 ins. in the ground to rock, and supported in a mound of stone, 3 ft. base to top, with brass cap mkd. <div style="text-align: center;"> 1/4 — S 2 S11 1955 </div> Cor. stands at top of ascent on flat bench, 275 ft. above the witness cor., bears N. 30° W. and S. 30° E.

Subdivision, T. 23 S., R. 12 E.

Chains	
	Along nearly level top.
45.00	Begin gradual descent over W. slope.
60.00	Head of small draw, drains S.; thence over SW. slope.
66.70	Rim of draw, bears NW. and southerly.
70.00	Small draw, drains SW. and base of steep descent.
74.20	Wash, 30 lks. wide, in bottom of large draw, 215 ft. below $\frac{1}{4}$ sec. cor., drains SE.
79.00	Begin steep ascent of E. slope over rim ledges.
80.00	The true point for the cor. of secs. 2, 3, 10 and 11, falls on rim of ledge, where it is impracticable to set cor. monument. Land, rough and broken; general SE. drainage. Soil, rocky, of sandstone formation, considerable exposed bedrock, with shallow sand. Timber, scattered to medium dense juniper and pinon.
	From the true point for the cor. of secs. 2, 3, 10 and 11. N. 0° 01' W., bet. secs. 2 and 3. Over broken mesa land, through scattered timber; desc. steep E. slope.
2.00	Base of steep slope, bears NW. and SE.; thence along draw.
7.6	Wash, 30 lks. wide in bottom of large draw, 75 ft. below true cor. point, drains E.
11.00	Begin steep ascent over SW. slope.
11.40	Rim, 110 ft. above wash, bears NW. and SE.; continue ascent over broken NW. and S. slopes.
21.70	Top of ascent on mesa, 225 ft. above draw, bears westerly and S. 60° E.; thence over top.
32.00	Begin descent over broken NW. slope.
41.00	Point for the true sec. cor. of secs. 2 and 3. Set an iron post, 30 ins. long, $\frac{1}{2}$ ins. diam., 6 ins. in the ground to rock, and supported in a mound of stone, 4 ft. high to top, with brass cap mkd. <div style="text-align: center;">  </div>
	Cor. is set on a broken NW. slope, 40 ft. below top of ascent.
46.00	E. canyon rim bearing NW. and SW., and head of short gulch, drains NW. about 5 chs. into Crawford Draw.

Subdivision, T. 23 S., R. 12 E.

Chains	
50.00	Mesa point, bears SE. and extends NW. about 5 chs. to end on canyon rim; desc. N. slope.
56.00	S. canyon rim, bears SW. and NE. for 2 chs., thence SE.; abrupt descent over N. face of canyon wall, about 200 ft.
61.00	The junction of Crawford Draw entering from SW., with Straight Wash from W., and Red Draw entering from the N., drains SE.; thence up along Red Draw.
68.00	Leave Red Draw, drains S. from the NE.; thence asc. along steep broken W. breaks of Red Draw.
79.98	Intersect N. bdy. of Tp., at the true point for the cor. of secs. 2, 3, 34 and 35. The witness cor. to same bears West, 1 ch. dist. Land, rough, broken canyon slopes and mesa. Soil, rocky with shallow sandy clay. Timber, scattered to medium dense juniper and pinon.
	From the true point for cor. of secs. 2, 3, 10 and 11. N. 89° 59' W., bet. secs. 3 and 10. Over broken mesa land, through scattered timber; asc. E. slope.
1.00	Point for the witness cor. to cor. of secs. 2, 3, 10 and 11. Set an iron post, 30 ins. long, 2½ ins. diam., over a cross (X) cut into solid sandstone, and supported in a mound of stone, 4 ft. base to top, with brass cap mkd. <div style="text-align: center;"> T23S R12E S 3 S 2 W S10 S11 C 1955 </div>
	Cor. is set on steep E. slope on shelf, 120 ft. above wash.
5.00	Thence along a southerly slope.
15.50	Shallow draw, drains SE.; asc. gradual NE. slope.
28.00	Top of ascent on bench, 110 ft. above the W. C., slopes N.; slight descent over W. slope.
34.50	E. rim of gulch, bears N. 20° E. and S. 20° W.; abrupt descent over ledges.
39.00	Bottom of rocky gulch, 100 ft. deep, drains N. 20° E.; asc. abruptly.
40.20	The true point for the ¼ sec. cor. of secs. 3 and 10, falls on abrupt E. face of rim ledge on W. side of gulch, where it is impracticable to set permanent cor.
42.00	W. rim of gulch, bears generally N. 20° E. and S. 20° W.
42.20	Point for the witness cor. of secs. 3 and 10.

Subdivision, T. 23 S., R. 12 E.

Chains

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 6 ins. in the ground to rock, and supported in a mound of stone, 4 ft. base to top, with brass cap mkd.

$$\frac{1}{4} \frac{S \ 3}{S10} \rightarrow \begin{matrix} W \\ C \end{matrix}$$

1955

Gradually asc. over rolling NE. slope, 110 ft. to cor.

80.40 The cor. of secs. 3, 4, 9 and 10.

Land, broken east half mile and rolling west half mile.

Soil, rocky and sandy clay.

Timber, scattered to medium dense juniper and pinon.

From the cor. of secs. 15, 16, 21 and 22.

West, bet. secs. 16 and 21.

Over rough, broken mesa land, through scattered timber; desc. 5 ft.

0.90 E. rim of gulch, bears N. and S.; desc. abruptly over W. slope, 100 ft.

5.30 Junction of rocky gulch from N. and gulch from NW., drains S.; asc. abruptly over NE. slope, over ledges, 110 ft.

19.20 W. rim of gulch, bears N. 70° W. and S. 70° E.; asc. gradual N. to NE. slopes, 45 ft.

31.90 Spur, slopes SE.; desc. broken SW. slope, 30 ft.

39.40 E. rim of gulch, bears NW. and SE.

40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 16 and 21.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., over a cross (X) cut in solid sandstone surface, and supported in a mound of stone, 4 ft. base to top, with brass cap mkd.

$$\frac{1}{4} \frac{S16}{S21}$$

1955

Cor. is set on steep SW. slope.

Desc. abruptly 115 ft.

46.00 Narrow rocky gulch, drains S. 70° E.; asc. abruptly 100 ft.

51.00 W. rim of the gulch; thence gradually asc. 130 ft. over broken NE. slope.

80.00 Point for the cor. of secs. 16, 17, 20 and 21.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 8 ins. in the ground to rock, and supported in a mound of stone, 4 ft. base, to top, with brass cap mkd.

Chains

T23S R12E

S17|S16

S20|S21

1955

Cor. is set on NE. slope at N. base of mesa bearing N. 85° W. and S. 65° E. The top of the mesa bears S. about 6 chs. dist.

Land, very broken; general SE. slope and drainage.
Soil, sandstone bedrock with shallow sandy clay.
Timber, scattered juniper and pinon.

N. 0° 03' W., bet. secs. 16 and 17.

Over rough, broken mesa land, through scattered timber; desc. 75 ft. over N. and NE. slopes.

8.20 S. rim of gulch, bears NW. and SE.; abrupt descent over ledges.

10.00 Gulch, 75 ft. deep, drains SE.; abrupt ascent along rocky W. slope on E. side of small gully draining S.

16.70 Thence over SE. slope.

28.30 Small rim, leave sandstone bedrock, enter rolling land and gravelly soil; continue more gradual ascent.

40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 16 and 17.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 8 ins. in the ground to rock, and supported in a mound of stone, to top, with brass cap mkd.

$\frac{1}{4}$
|
S17|S16
1955

from which,

A juniper, 4 ins. diam., bears S. 52° E., 49 lks. dist., mkd. BT.

A pinon, 6 ins. diam., bears S. 68° W., 22 lks. dist., mkd. BT.

Cor. is set on slight SE. slope, 175 ft. above the gulch.

Gradually asc. SE. slope, 75 ft. to saddle.

44.30 Dim jeep trail, bears NE. and W.

46.80 Shallow wash, drains SE.

58.00 Top of ascent in saddle between mesas, bears NE. and SW.; gradually desc. NW. to W. slopes, 50 ft. to cor.

63.00 Recross the jeep trail, bears NW. and SE.

80.00 Point for the cor. of secs. 8, 9, 16 and 17.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 18 ins. in the ground, and in a mound of stone, with brass cap mkd.

Subdivision, T. 23 S., R. 12 E.

Chains

T23S R12E
 S 8 | S 9
 S17 | S16
 1955

from which,

A juniper, 6 ins. diam., bears S. $61\frac{1}{2}^{\circ}$ E., 100 lks. dist.,
 mkd. S16 BT.

A pinon, 12 ins. diam., bears N. $44\frac{1}{2}^{\circ}$ W., 73 lks. dist.,
 mkd. S8 BT.

Land, rolling and broken; general SE. and NW. exposure.
 Soil, rocky, gravelly and sandy clay.
 Timber, juniper and pinon.

From the cor. of secs. 9, 10, 15 and 16.

West, bet. secs. 9 and 16.

Over rolling and broken mesa land, through scattered timber;
 gradually asc. E. slope.

26.00 E. base of mesa rim, bears NE. and S.; steep ascent of 200 ft.

31.20 Top of E. rim of mesa, 330 ft. above cor., general bearing NE. and
 S.; thence across nearly level top of mesa.

39.99 Point for the $\frac{1}{4}$ sec. cor. of secs. 9 and 16.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 18 ins. in the
 ground, and supported in a mound of stone to top; with brass cap
 mkd.

$\frac{1}{4}$ $\frac{S 9}{S16}$
 1955

from which,

A juniper, 10 ins. diam., bears S. $40\frac{1}{2}^{\circ}$ E., 36 lks. dist.,
 mkd. $\frac{1}{4}$ S16 BT.

A pinon, 6 ins. diam., bears N. 40° W., 38 lks. dist.,
 mkd. $\frac{1}{4}$ S9 BT.

54.50 Leave top of mesa, bears NE. and S. 70° W.; thence along N. rim.

59.00 Base of cove of N. rim, 100 ft. below top.

65.00 Top of mesa rim, bears N. 80° W. and S. 80° E.; thence along top.

70.50 Rim, leave mesa top, bears NE. and S.; desc. abrupt W. face, 200
 ft. to cor.

79.98 The cor. of secs. 8, 9, 16 and 17.

Land, steep mesa slopes and rolling tops.
 Soil, gravelly, stony and sandy clay.
 Timber, scattered to medium dense juniper and pinon.

Chains

From the cor. of secs. 4, 5, 32 and 33, on the S. bdy. of the Tp., mkd. by an iron post, 1 in. diam.; for description see survey of T. 24 S., R. 12 E., Group No. 363.

N. $0^{\circ} 03'$ W., bet. secs. 32 and 33.

Over rough and broken land, through medium dense timber.

0.73 S. rim of gulch, bears NW. and SE.; abrupt descent.

3.00 Lone Man Draw, 120 ft. deep, drains SE.; asc. over ledges.

9.60 Narrow rocky spur between gulches, slopes S. 30° E.; thence along steep broken and rocky E. slope on W. break of gulch to E. of line.

32.00 Leave abrupt E. slope; thence gradually asc. S. slope.

35.00 Top of small knoll; thence over broken bench top.

40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 32 and 33.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 3 ins. in the ground to rock, and supported in a mound of stone, 3 ft. base to top, with brass cap mkd.

$\frac{1}{4}$
 |
 S32 | S33
 |
 1955

from which,

A juniper, 6 ins. diam., bears N. $55\frac{1}{4}^{\circ}$ E., 62 lks. dist., mkd. BT.

A pinon, 6 ins. diam., bears S. $18\frac{1}{4}^{\circ}$ W., 52 lks. dist., mkd. BT.

The cor. is set on slight W. slope, 125 ft. above sec. cor.

Asc. S. slope, 25 ft.

47.30 Top of wide knoll; gradually desc. over bench sloping E., 40 ft.

55.60 Shallow draw, drains SE.; asc. broken S. and SW. slopes, 80 ft.

80.00 Point for the cor. of secs. 28, 29, 32 and 33.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 4 ins. in the ground to rock, and supported in a mound of stone, 4 ft. base to top, with brass cap mkd.

T23S R12E
 S29 | S28
 S32 | S33
 1955

from which,

A pinon, 12 ins. diam., bears N. 39° E., 70 lks. dist., mkd. S28 BT.

A pinon, 10 ins. diam., bears S. $75\frac{3}{4}^{\circ}$ W., 23 lks. dist., mkd. S32 BT.

Subdivision, T. 23 S., R. 12 E.

Chains

A pinon, 6 ins. diam., bears N. 25° W., 76 lks. dist.,
mkd. S29 BT.

Land, rough and broken; drainage into Lone Man Draw.
Soil, rocky with shallow sandy clay.
Timber, scattered juniper and pinon.

S. 89° 59' W., bet. secs. 29 and 32.

Over rough broken land, through scattered timber; along bench top.

6.50 Begin descent along very broken general S. slope.

12.00 Small draw, drains S.

16.00 Shallow draw, drains SE.; gradually asc. 75 ft.

25.00 Top of rise, slopes S., gradually desc. broken SW. slope, 50 ft.

35.50 Junction of small draws from N. and NW., drains S.; asc. 15 ft.

40.00 Point for the 1 sec. cor. of secs. 29 and 32.

Set an iron post, 30 ins. long, 2½ ins. diam., 6 ins. in the
ground to rock, and supported in a mound of stone, 4 ft. base to
top, with brass cap mkd.

$$\begin{array}{r} 1 \quad \frac{S29}{S32} \\ 1955 \end{array}$$

42.60 Top of rise, slopes S.; thence along broken S. slope.

44.60 Small branch gully, 40 ft. deep, drains S. about 2 chs. dist.
to junction with Lone Man Draw.

52.22 Intersect W. bdy. of the Tp. at the cor. set for secs. 25, 30, 31
and 36, monumented by an iron post, 2 ins. diam., conforming to
the 1933 survey record as described in survey of T. 23 S., R. 11 E.;
as this cor. now refers to secs. 25, 29, 32 and 36, marks on the
brass cap are altered to read:

$$\begin{array}{r} T23S \\ R11E R12E \\ \frac{S25}{S36} \quad \frac{S29}{S32} \\ 1955 \\ 1933 \end{array}$$

Land, rough and broken; very rocky; general SE. slope and drainage.
Soil, shallow red sand and clay, shale, and exposed sandstone.
Timber, scattered juniper and pinon.

From the cor. of secs. 16, 17, 20 and 21.

S. 89° 56' W., bet. secs. 17 and 20.

Over broken land, through scattered timber; gradually asc. 30 ft.
along steep N. slope of mesa.

7.00 Top of rise on N. slope; begin gradual descent of N. slope, 45 ft.

Subdivision, T. 23 S., R. 12 E.

Chains	
22.00	Base of descent on N. slope, about 3 chs. N. of saddle between mesas. Asc. steep NE. and E. slopes 160 ft.
30.50	E. rim of mesa top, bears NW. and SE. for about 3 chs., thence SW.; thence across top.
33.80	W. rim, bears NW. and SE.; desc. abrupt SW. slope, 125 ft.
40.00	Point for the $\frac{1}{4}$ sec. cor. of secs. 17 and 20. Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 8 ins. in the ground to rock, and supported in a mound of stone, 4 ft. base to top, with brass cap mkd. $\frac{1}{4} \frac{S17}{S20}$ 1955 from which, A pinon, 12 ins. diam., bears S. $51\frac{1}{2}^{\circ}$ W., 11 lks. dist., mkd. $\frac{1}{4}$ S20 BT. A pinon, 10 ins. diam., bears N. 58° W., 47 lks. dist., mkd. $\frac{1}{4}$ S17 BT.
42.00	Hollow, 25 ft. below cor., drains NW., and heads SE. about 6 chs. dist. in saddle between mesas; asc. abrupt NE. slope, 165 ft.
51.00	Rim of mesa, bears NW. and SE.; thence over top.
52.00	Intersect W. bdy. of Township, at the cor. originally set for secs. 13, 18, 19 and 24, monumented by an iron post, 2 ins. diam., conforming to the 1933 record and described in survey of T. 23 S., R. 11 E. As this cor. now refers to secs. 13, 17, 20 and 24, the marks on the brass cap are altered to read: $\begin{array}{c} T23S \\ R11E R12E \\ \hline S13 S17 \\ S24 S20 \\ \hline 1955 \\ 1933 \end{array}$ The marks on the NE. and SE. bearing trees are changed to read the correct secs. Land, broken mesas. Soil, rocky with shallow sandy clay. Timber, scattered to medium dense juniper and pinon.
	From the cor. of secs. 8, 9, 16 and 17. N. $89^{\circ} 56'$ W., bet. secs. 8 and 17. Over rolling land, through scattered timber; slight descent, land slopes N.
16.70	Dim jeep trail road, bears N. and SE.
33.50	Head of rocky draw, 30 ft. below cor., drains NE.
40.00	Point for the cor. of secs. 8 and 17.

Chains

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 12 ins. in the ground to rock, and supported in a mound of stone, to top, with brass cap mkd.

$$\begin{array}{r} \frac{1}{4} \quad \frac{S \ 8}{S17} \\ 1955 \end{array}$$

from which,

A juniper, 20 ins. diam., bears N. $87\frac{1}{2}^{\circ}$ E., 95 lks. dist., mkd. $\frac{1}{4}$ S8 BT.

A pinon, 9 ins. diam., bears S. $23\frac{1}{4}^{\circ}$ W., 96 lks. dist., mkd. $\frac{1}{4}$ S17 BT.

Gently asc. 20 ft. to cor.

51.95 Intersect W. bdy. of Tp., at the cor. originally set for secs. 7, 12, 13 and 18, monumented by an iron post, 2 ins. diam., conforming to the 1934 record and described in survey of T. 23 S., R. 11 E. As this cor. now refers to secs. 8, 12, 13 and 17, the marks on the brass cap are altered to read:

$$\begin{array}{r} T23S \\ R11E \ R12E \\ \hline S12 \ S \ 8 \\ S13 \ S17 \\ 1955 \\ 1934 \end{array}$$

The marks on the NE. and SE. bearing trees are changed to read the proper secs. in R. 12 E.

Land, rolling bench or basin; general northerly slope and drainage towards Crawford Draw.

Soil, sandy clay, gravelly and stony.

Timber, scattered juniper and pinon.

General Description

The land embraced within township 23 south, range 12 east, is principally rough and broken mesas and benches, situated on the San Rafael Swell and Sinbad Country, at elevations ranging from approximately 5600 ft. to 6900 ft. above sea level. The San Rafael Reef extends into section 36. The highest point on the reef in sec. 36 is 6403 ft. at U.S.G.S. triangulation "ERNIE", which is located N. $13^{\circ} 52'$ W., 11.16 chs. dist. from the SE. cor. of the township. The general drainage is to the southeast. Straight Wash, which is the main drainage, enters on the N. bdy. of sec. 3 and winds southeasterly through a narrow box gorge or canyon, from about 200 to 700 ft. deep, leaving on the E. bdy. of sec. 24.: thence SE. through the Reef. This canyon is inaccessible to stock for most of its length through this township. Crawford Draw, entering the township from the west, drains easterly through sec. 3 to junction with Straight Wash. Ernie Canyon and Lone Man Draw extends through the SW. portion of the township and drain southeasterly.

The greater portion of the township is covered with scattered growth of scrub juniper and pinon and short sparse undergrowth of mountain rush, yellow top, sagebrush and shadscale. There is fairly good grazing on the open flats in the NW. part of the Tp.

The soil is mainly a shallow sandy clay, shale and rocky, lying on sandstone and limestone bedrock. There are large areas of exposed bedrock along the draws and gulches.

No water was noted with the township, but there may be some tanks or seeps in the bottoms of the deep canyons.

No roads extend into this township other than dirt jeep trails along the western side. There are no habitations or improvements in the township.

FIELD ASSISTANTS

16-53565-2

CERTIFICATE OF CADASTRAL ENGINEER

Andrew Nelson, Cartographer (Cadastral), and
 I, We, Phil D. Smith, Cartographic Survey Aid, HEREBY CERTIFY upon honor that, in
 pursuance of special instructions bearing date of the 29th day of June, 1955
 We have ~~surveyed~~ resurveyed the East Boundary, and surveyed the North Boundary and a
 portion of the subdivision of Township 23 South, Range 12 East

of the Salt Lake Meridian, in the State of Utah, which are
 represented in the foregoing field notes as having been executed by ~~me~~ ^{us} and under ~~my~~ ^{our} direction; and that
 said survey has been made in strict conformity with said instructions, the Manual of Instructions for the
 Survey of the Public Lands of the United States, and in the specific manner described in the foregoing
 field notes.

Salt Lake City, Utah, Dec. 5, 1955

Salt Lake City, Utah, Dec. 5, 1955

Phil D. Smith
 Phil D. Smith, Cartographic Survey Aid
Andrew Nelson
 Andrew Nelson, Cartographer (Cadastral)

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT,

Washington, D. C., JUN 27 1956, 1956

The foregoing field notes of the ~~survey of~~ resurvey of the East Boundary, survey of the
 North Boundary, and a portion of the subdivision of Township 23 South, Range 12
 East, Salt Lake Meridian, Utah,

executed by Andrew Nelson and Phil D. Smith

having been critically examined and found correct, are hereby approved.

Earl S. Harrington
 Chief, Division of Cadastral Engineering
 Cadastral Engineering Staff Office

CERTIFICATE OF TRANSCRIPT

I CERTIFY that the foregoing transcript of the field notes of the above-described surveys in
 _____, is a true copy of the original field notes.

Chief, Division of Cadastral Engineering

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FIELD NOTES

OF THE SURVEY OF,

SOUTH BOUNDARY AND SUBDIVISION OF,

T. 24 S., R. 7 E.

Of the Salt Lake Meridian,

the State of Utah

EXECUTED BY

Andrew Nelson, Cadastral Engineer

under special instructions dated December 22, 1950, which provided

the surveys included under Group No. 366, approved April 12, 1951

and assignment instructions dated May 14, 1951.

Survey commenced July 17, 1951.

Survey completed August 10, 1951.

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T. 24 S., R. 7 E.

Chains

The following field notes of T. 24 S., R. 7 E., Salt Lake Meridian, Utah, are those of a survey of the south boundary and subdivisional lines.

The survey was commenced July 17, 1951, and was executed with Hell-gate model Gurley solar transit, serial No. 38871. The instrument is the property of the Bureau of Land Management. The bearings of the lines of this survey were determined by deflection angles from true meridians determined by hour angle observations made on Polaris during the progress of the work. At least one of these observations was made on the south boundary of the township and on each meridional subdivision line. The transit was kept in good adjustment throughout the progress of the work.

The measurements were made with a Chicago steel tape 8 chains in length, graduated every link for the first 100 links and thereafter at intervals of 10 links. The tape was tested, comparison being made with a Lufkin standard steel tape 1 chain in length and found correct. The measurements were made on the slope, the vertical angle determined with clinometers, and the slope measurements properly reduced to true horizontal distances which appear in this record.

The north boundary of the township was surveyed in conjunction with the survey of T. 23 S., R. 7 E. of this group. The east boundary was surveyed by J.C. Clark, Cadastral Engineer, in 1932, under special instructions for the survey of Group 213, Utah. The west boundary was surveyed by Elliot Bird, Cadastral Engineer, in 1937, under special instructions for the survey of Group 259, Utah.

The survey was made at the request of the Bureau of Land Management as an administrative measure, in order that oil and gas leases could be located in this vicinity, also to determine the areas of grazing allotments, to provide a basis for homestead applications and to satisfy the State demands for the survey of school sections.

The geographic position of the southeast corner of the township, as computed from U.S. Coast and Geodetic Survey triangulation station "Emery", located about 106 ft. southeast of the $\frac{1}{4}$ sec. corner of sections 28 and 29, T. 22 S., R. 7 E., is as follows.

Latitude 38°40'22" N.

Longitude 111°05'04" W.

The mean magnetic declination at this point was found to be 16°00' E.

SOUTH BOUNDARY OF T. 24 S., R. 7 E.

From the cor. of Ts. 24 and 25 S., Rs. 7 and 8 E., which is marked by an iron post, 3 ins. in diam., set, marked, and witnessed, as described in the official record.

S. 89°48' W., bet. secs. 1 and 36.

Along broken S. slope of broken land; descend 115 ft. to draw.

16.10 Draw, drains N. 70° W.; ascend 15 ft. along broken N. slope through scattered juniper timber.

20.40 Low rocky spur, projects N. 20° W., about 2 chs. to end; descend 15 ft.

23.00 Swale, drains N.; ascend 20 ft.

26.00 The E. rim of gulch, bears N. and SW.; descend 275 ft. over abrupt W. slope.

35.80 Deep rocky gulch, drains NE., 2 chs. dist., thence N.; ascend 105 ft. over rocky SE. slope to the $\frac{1}{4}$ sec. cor.

40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 1 and 36, on abrupt rocky SE. slope, about 50 lks. S. of rim of ledge.

SOUTH BOUNDARY OF T. 24 S., R. 7 E.

Chains	
42.20	Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. in diam., 16 ins. in the ground to solid rock and in a large mound of stone, with brass cap marked
50.00	Ascend 100 ft. over abrupt E. slope.
52.40	Top of vertical rim on W. rim of gulch, 40 ft. high, bears NE. and SW.
55.00	Descend 50 ft. into gulch.
56.60	Narrow rocky gulch, drains N.; ascend 50 ft. over E. slope.
60.00	Spur, projects N.; descend 30 ft. to draw.
62.90	Short branch, draw, drains N.; ascend 65 ft.
78.00	Top of ascent on N. slope of hill; top of hill bears S., about 1 ch.; descend 65 ft. over NW. slope.
80.00	Draw, drains NE.; ascend 45 ft. over broken SE. and E. slopes.
	Low rise, bears N. 20° E. and S. 20° W.; thence across small flat.
	Point for the cor. of secs. 1, 2, 35, and 36, on slight N. slope.
	Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. in diam., 25 ins. in the ground, with brass cap marked
	<div style="text-align: center;"> </div>
	Raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor.
	Land, broken sandstone and shale breaks.
	Soil, sand, rock, and blue clay.
	Undergrowth, scattered desert shrubs and grasses.
	Timber, a few scrub juniper.
5.50	S. 89°48' W., bet. secs. 2 and 35.
14.70	Over broken land; ascend 75 ft. over E. slope.
39.00	Top of ascent on W. fin of black porphyry dyke, bears N. 10° W. and S. 10° E.; continue ascent over E. slope.
40.00	Top of ascent on E. rim of bench land, bears N. 20° W. and S. 20° E.; thence over gently rolling bench land sloping SW.
	Land becomes broken, bears NE. and S. 70° W.
	Point for the $\frac{1}{2}$ sec. cor. of secs. 2 and 35, on small steep W. slope, nearly level with the E. rim of bench.
	Set an iron post, 60 ins. long, $2\frac{1}{2}$ ins. in diam., 24 ins. in the ground, with brass cap marked

.SOUTH BOUNDARY OF T. 24 S., R. 7 E.

Chains

S35

 $\frac{1}{4}$

S2

1951

Raise a small mound of stone around the iron post.

- 40.15 Head of small drain, course S. 70° W.; gradually descend over broken and eroded land cut by washes draining westerly.
- 44.80 Enter draw, drains W. from the NE.
- 49.00 Leave same, drains S. 80° W.
- 51.70 Low spur, slopes S. 80° W.
- 57.80 Wash in draw, 90 ft. below the $\frac{1}{4}$ sec. cor., drains S. 80° W.; ascend 20 ft. to spur.
- 71.00 Clay spur, projects S. 70° W.; descend 70 ft. to draw.
- 78.50 Draw, drains S. 80° W.; thence along steep S. slope.
- 80.00 Point for the cor. of secs. 2, 3, 34, and 35, on steep S. slope.
- Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. in diam., 25 ins. in the ground, with brass cap marked

T24S R7E

S34 S35

S3 S2

T26S

1951

Raise a small mound of stone around the iron post.

From this cor., black peak, bears S. °° W., about 15.00 chs. dist.

Land, broken.

Soil, shale, clay, sand, and rock.

Undergrowth, scattered desert shrubs.

Timber, very scattered scrub juniper.

S. 89°48' W., bet. secs. 3 and 34.

Over rolling and broken land; descend SW. and W. slopes.

- 8.80 Wash, 50 lks. wide, in bottom of main draw, drains N. 60° W.; thence over broken N. slope.
- 10.80 Porphyry dyke, bears N. 20° W. and S. 20° E.
- 12.10 Branch draw, 20 ft. deep, drains N.; ascend 30 ft.
- 19.30 Top of red hill; descend 50 ft.
- 21.00 Land becomes rolling, bears N. and S.
- 40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 3 and 34, on slight N. slope of rolling bench, about 2 chs. S. of small sand hill, 20 ft. high.
- Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. in diam., 25 ins. in the ground, with brass cap marked.

SOUTH BOUNDARY OF T. 24 S., R. 7 E.

Chairs

S34
+
S3

1951

Raise a small mound of stone around the iron post.

Ascend 30 ft. over rolling NE. slope.

53.00 Top of rise, bears NW. and SE.; descend gradual W. slope.

54.50 Unimproved road, bears NW. to Willow Springs and SE. to Cedar Mountain

57.30 Trail Wash, 1 ch. wide, drains NE. from the S.; ascend 30 ft. over gradual rolling land.

76.00 Top of rise, bears W. and S.; descend 20 ft. to cor.

80.00 Point for the cor. of secs. 3, 4, 33, and 34, on slight NW. slope of wide swale.

Set an iron post, 30 ins. long, 2 1/2 ins. in diam., 24 ins. in the ground, with brass cap marked

T24S	R7E
S33	S34
S4	S3
T25S	

1951

Deposit broken glass at the base of the post.

Land, broken and rolling.

Soil, sand, clay, and rock.

Undergrowth, scattered desert shrubs and grasses.

Timber, a few scattered juniper.

S. 89°43' W., bet. secs. 4 and 33.

Over rolling bench-land, through scattered undergrowth; descend gradual N. slope.

4.10 Base of wide shallow swale, drains N.

11.00 Top of rise, bears N. and S.; descend 40 ft. over slight W. slope.

37.40 Land becomes broken, bears NW. and SE.

41.00 Point for the 1/2 sec. cor. of secs. 4 and 33, in small drain, course NW.

Set an iron post, 30 ins. long, 2 1/2 ins. in diam., 24 ins. in the ground, with brass cap marked

S33

S4

1951

Raise a small mound of stone around the iron post.

42.00 Top of small clay knoll; descend along small draw, drains W., through rim of above, bears NW. and S.

46.50 Leave draw, drain, NE.

.SOUTH BOUNDARY OF T. 24 S., R. 7 E.

Chains	
58.00	Shallow ravine, drains NW.
80.00	Point for the cor. of secs. 4, 5, 32, and 33, on slight S. slope.
	Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. in diam., 15 ins. in the ground to solid rock and in a large mound of stone, with brass cap marked
	T24S R7E S32 S33 S5 S4 T25S
	1951
	Land, rolling and broken. Soil, shallow sand, clay, and rock. Undergrowth, scattered desert shrubs. No timber.
	S. 89°48' W., bet. secs. 5 and 32. Over rolling bench land, through scattered undergrowth; ascend 25 ft.
19.50	Top of low rise, on bench; descend 25 ft.
33.80	Large wash, 25 lks. wide, 3 ft. deep, drains N. 20° E., about 5 chs. dist. to its junction with wash from W., thence N. 80° E.
40.00	Point for the $\frac{1}{4}$ sec. cor. of secs. 5 and 32, on a sandy slight N. slope.
	Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. in diam., 25 ins. in the ground, with brass cap marked
	S32 S5
	1951
	Raise a mound of stone, 3 ft. base, 2 ft. high, N. of cor.
46.20	Rocky bottom of large main wash at base of descent, drains N. from the SW.; ascend gradual E. slope.
68.70	Unimproved road from Willow Springs to Last Chance Wash and oil well, bears N. 10° E. and S. 10° W.
80.00	Point for the cor. of secs. 5, 6, 31, and 32, on a slight SE. slope.
	Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. in diam., 25 ins. in the ground, with brass cap marked
	T24S R7E S31 S32 S6 S5 T25S
	1951
	Raise a small mound of stone around the iron post.
	Land, rolling. Soil, sand and clay. Undergrowth, scattered desert shrubs and grasses. No timber.

99

SOUTH BOUNDARY OF T. 24 S., R. 17 E.

Chains		Surveyed
	S. 89°48' W., bet. secs. 6 and 31.	00.00
	Over SE. slope of rolling bench land.	
13.50	Wash in draw at cove of high rim from the NW., drains S.; base of rim bears NE. and S.; ascend 150 ft. over rocky NE. face of rim.	
20.00	Top of rim ledge, bears NW. and SE.; continue ascent of 210 ft.	
24.00	Top of ascent on E. edge of mesa, bears N. and S.	
28.50	Descend 50 ft. over gradual W. slope to cor.	
39.34	The cor. of Ts. 24 S., Rs. 6 and 7 E., which is marked by an iron post, 3 ins. in diam., set, marked, and witnessed, as described in the official record.	
	Land, rolling and broken.	
	Soil, sand, clay, and rock.	
	Undergrowth, scattered desert shrubs.	
	No timber.	
SUBDIVISION OF T. 24 S., R. 17 E.		
	From the cor. of secs. 1, 2, 35, and 36, on the S. bdy. of the township	
	N. 0°01' W., bet. secs. 35 and 36.	
	Along broken E. slope of rocky bench land.	
17.30	Small draw, drains E.	
28.00	Top of high point on E. slope.	
31.70	Draw near head, drains N. 80° E.	
34.70	Draw near head, draining SE., 1.50 chs. dist. to its junction with draw draining S. 80° E.; ascend 60 ft. to the $\frac{1}{4}$ sec. cor.	
40.00	Point for the $\frac{1}{4}$ sec. cor. of secs. 35 and 36, on steep rocky E. slope of Hebs Mountain.	
	Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. in diam., 20 ins. in the ground to solid rock and in a mound of stone, with brass cap marked	
	S35 S36	
	1951	
	Ascend 50 ft. over E. slope.	
46.60	Top of ascent on steep E. slope of mountain, ascend W., about 7 chs. dist. to top of rim on E. point of Hebs Mountain, and slopes E.; descend steep broken and rocky E. and NE. slopes.	
75.50	Spur, projects NE., about 4 chs. to peak; descend NW. slope into draw.	
80.00	True point for the cor. of secs. 25, 26, 35, and 36, falls in draw at E. base of rim of Hebs Mountain, drains NW. from the SE., 400 ft. below top of ascent on E. slope, where it is impracticable to set a permanent cor. monument.	
80.55	Point for the witness cor. of secs. 25, 26, 35, and 36, on top of rim 10 ft. above draw.	

SUBDIVISION OF T. 24 S., R. 7 E.

Chains

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. in diam., 20 ins. in the ground to solid rock and in a small mound of stone, with brass cap marked.

T24S R7E
S26 S25

S35	S36
W	C

1951

Land, broken and rolling.
Soil, shallow clay, sand, and rock.
Undergrowth, scattered desert shrubs.
Timber, a few scattered juniper.

From the true point for the cor. of secs. 25, 30, 31, and 36, on the E. bdy. of the township, which is South, 50 lks. dist. from the witness cor., and which is marked by an iron post, 2 ins. in diam., set, marked, and witnessed, as described in the official record.

S. $89^{\circ}52'$ W.; bet. secs. 25 and 36.

Over rolling and broken land, through scattered undergrowth.

5.00 Spur, projects SW. about 2 chs. dist. to peak.

16.00 Head of gulch, 75 ft. deep, drains N.

17.60 Top of ascent on S. slope of butte.

22.50 Top of ascent on steep S. slope of high point, slopes S.; thence descend W. slope.

39.13 Point for the witness cor. of secs. 25 and 36, on top of E. rim of gulch, bears N. 20° W. and SE.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. in diam., 10 ins. in the ground to solid rock and in a large mound of stone, with brass cap marked.

S25.

S25.
S36

1951.

40.65 True point for the sec. cor. falls on abrupt ledgy W. face of rim, where it is impracticable to set a cor.

42.60 Bottom of main gulch, 75 ft. deep, drains N. 10° W.

47.50 Spur, projects N., about 6 chs. dist. to end.

51.40 Gulch, 100 ft. deep, drains N.

52.70 The N. point of a spur from the SW.

55.50 Narrow gulch, drains NE.

68.80 Narrow wash, drains NE.

77.80 Top of ascent on steep N. slope of a black peak, summit of which bears S., about 2 chs. dist.; descend over NW. slope.

80.09 The true point for the cor. of secs. 25, 26, 35, and 36, which is S. $0^{\circ}01'$ E., 55 lks. dist. from the witness cor.

Chains

arise

Land, broken rim and breaks. Soil, clay, sand, and rock. Undergrowth, scattered desert shrubs and grasses. No timber.

S

From the true point for the cor. of secs. 25, 26, 35, and 36.
N. 0°01' W., bet. secs. 25 and 26.

Over rolling and broken land, sloping N. into Willow Spring Wash.

0.55 The witness cor. of secs. 25, 26, 35, and 36, then

1.00 Wash, drains NE.; ascend

2.30 Small clay spur, slopes NE.; descend gradual N. slope.

8.30 Small draw, drains NE. of

11.00 Low clay spur, slopes N. 20° E. to

27.00 Small draw, drains NE., about 2 chs. dist. to its junction with draw draining N.

40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 25 and 26, on gradual NE. slope, 180 ft. below the sec. cor.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. in diam., 25 ins. in the ground, with brass cap marked

 $\frac{1}{4}$

S26

S25

1951

Raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor.

43.20 Wash, 20 lks. wide, drains NW., 1.50 chs. dist. to its junction with wash draining E.

44.60 Wash, 30 lks. wide, drains NE. into Willow Spring Wash; ascend SE. slope.

52.20 High point on S. vertical bank of Willow Spring Wash, bears NW. and SE.; descend 50 ft.

54.00 Willow Spring Wash, dry, sandy bottom, 2 chs. wide, drains S. 70° E.; a clump of 3 small cottonwood trees, on N. side of wash, bears down wash, about 7 chs. dist.

66.20 Recross Willow Spring Wash, 1 ch. wide, drains S. 80° W. from the NE. thence along a slight E. slope of bottom land.

80.00 Point for the cor. of secs. 23, 24, 25, and 26, on slight NE. slope of bottom lands.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. in diam., 24 ins. in the ground, with brass cap marked

T24S-R7E

S23 S24

S26 S25

1951

Raise a mound of stone, 5 ft. base, 3 ft. high, W. of cor.

SUBDIVISION OF T. 24 S., R. 7 E.

Chains

Land, broken.
Soil, sand, clay, and rock.
Undergrowth, desert shrubs and grasses.
No timber.

From the true point for the cor. of secs. 19, 24, 25, and 30, on the E. bdy. of the township, which is South, 1.50 chs. dist. from the witness cor., which is marked by an iron post, 2 ins. in diam., set, marked, and witnessed, as described in the official record.

S. 89° 59' W., bet. secs. 24 and 25.

Over broken land, through scattered short undergrowth, ascend along S. slope.

5.60 Top of ascent; descend abrupt ledgy W. slope, 150 ft. to Willow Spring Wash.

8.50 Willow Spring Wash, 1 ch. wide, dry, drains SW., about 5 chs. dist., thence E.

15.20 Rocky spur, projects N., 1 ch. dist. to end.

18.80 Recross Willow Spring Wash, drains E. from S. 20° W.

23.30 Mouth of draw from the NW., drains SE., 1 ch. to its junction with draw draining E. from the N.

36.60 Small wash, drains SE.

38.30 Small drain, course S. 70° E.

40.05 Point for the sec. cor. of secs. 24 and 25, on a N. slope, 25 lks. S. of a small draw, course E.

Set an iron post, 30 ins. long, 2 1/2 ins. in diam., 24 ins. in the ground, with brass cap marked.

S24
4
S25

1351

Raise a small mound of stone around the cor. monument.

47.30 Top of ascent on SE. point of spur from the NW.; descend gradually.

52.70 Porphyry dyke, bears S. 10° E. and N. 10° W.

55.40 Deep branch gulch, 75 ft. deep, drains S.

59.10 Top of ascent on S. slope.

66.30 Deep narrow gulch, drains SE.

70.60 Narrow clay spur, projects SE., 2.00 chs. dist., thence S.

76.00 Willow Spring Wash, 2 chs. wide, sandy bottom, drains S. 5° E.; ascend 10 ft. to sec. cor.

80.10 The cor. of secs. 23, 24, 25, and 26.

Land, broken.
Soil, clay, sand, and rock.
Undergrowth, scattered desert shrubs.
No timber.

103

SUBDIVISION OF T. 24 S., R. 7 E.

Chains

N. 0°01' W., bet. secs. 23 and 24.

Over rough broken land.

0.80 Enter sandy bottom land.

4.00 Willow Spring Wash, 1 ch. wide, dry, drains SE.

5.30 The S. base of nearly vertical rim, bears N. 70° W. and SE.

7.70 Top of rim and spur, projects S. 70° E.

10.20 Branch gulch, 40 ft. deep, drains S. 80° E.; thence along broken E. slope along W. edge of gulch draining S.

25.00 Cross main gulch, 75 ft. deep, drains SE.

31.50 Branch gully, drains W.

38.50 Top of spur, projects SW., about 2 chs. dist. to point.

39.60 Point for the witness $\frac{1}{4}$ sec. cor. of secs. 23 and 24, on steep NW. slope.Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. in diam., 12 ins. in the ground to solid rock and in a large mound of stone, with brass cap marked

S23 | S24

1951

40.00 True point for the $\frac{1}{4}$ sec. cor. falls on steep NW. slope where it is impracticable to set a cor. monument.

40.50 Short branch gully, 20 ft. deep, drains S. 70° W.

45.10 Main gulch, 40 ft. deep, drains SW.

50.20 Gulch, drains E., 1 ch. thence S.

52.50 Recross same, drains SW.; thence along broken W. side of same across numerous gullies putting to the S.

75.80 Small branch draw, drains SE.

80.00 Point for the cor. of secs. 13, 14, 23, and 24, on a SW. slope.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. in diam., 18 ins. in the ground to solid rock and in a large mound of stone, with brass cap marked

T24S, R7E

S14 | S13

S23 | S24

1951

Land, broken sandstone rims and clay breaks.

Soil, clay, shale, sand, and rock.

Undergrowth, sparse desert shrubs.

No timber.

From the cor. of secs. 13, 18, 19, and 24, on the E. bdy. of the township, which is marked by an iron post, 2 ins. in diam., set, marked, and witnessed, as described in the official record.

SUBDIVISION OF T. 24 S., R. 7 E.

104

Chains

S. 89°52' W., bet. secs. 13 and 24.

Over rolling land through scattered short undergrowth.

8.10 Begin gradual descent over W. slope, bears N. 20° W. and SE.

22.10 Draw, drains N., about 7.00 chs. dist. to rim

27.20 Top of porphyry dyke, bears N. and S.

36.30 Ravine, drains N. 20° E., about 10 chs. dist. to rim.

40.07 Point for the $\frac{1}{4}$ sec. cor. of secs. 13 and 24, on gradual E. slope.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. in diam., 10 ins. in the ground to solid rock and in a mound of stone, 4 ft. base, 20 ins. high, with brass cap marked

S13

S24

1951

41.60 Low flat ridge which forms the divide bet. Willow Spring Wash and the Muddy River, bears S. 20° E., and N. about 5 chs. dist., thence NW.

65.40 High point on porphyry dyke, bears N. 20° W. and S. 20° E.

74.30 Wash at the base of ascent over E. slope, drains SE., about 2 chs. dist., thence SW.; ascend gradual E. slope.

78.80 The S. end of black porphyry dyke, bears N. 20° W.; descend W. slope.

80.13 The cor. of secs. 13, 14, 23, and 24.

Land, rolling and broken.

Soil, clay, shale, sand, and rock.

Undergrowth, scattered desert shrubs and grasses.

No timber.

N. 0°01' W., bet. secs. 13 and 14.

Over broken bench land; ascend gradual SW. slope.

3.30 Top of black porphyry dyke, bears N. 20° W. and S. 20° E.; thence over rolling E. to SE. slopes.

29.00 Shallow wash, drains S. 20° E.

40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 13 and 14.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. in diam., 18 ins. in the ground to solid rock and in a large mound of stone, with brass cap marked

S14 | S13

1951

46.20 Top of low spur, slopes NE.

51.90 Enter broken choppy land with numerous spurs and gulches putting to the E.

80.00 Point for the cor. of secs. 11, 12, 13, and 14.

106

SUBDIVISION OF T. 24 S., R. 7 E.

Chains

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. in diam., 25 ins. in the ground, with brass cap marked.

T24S R7E

S11 S12

S14 S13

1951

Raise a mound of stone, 4 ft. base, 2 ft. high, W. of cor.

Land, broken and rolling.

Soil, shale, clay, sand, and rock.

Undergrowth, scattered desert shrubs.

No timber.

From the true point for the cor. of secs. 7, 12, 13, and 18, on the E. bdy. of the township, which is S. $78^{\circ}30'$ W., 3.47 chs. dist. from the witness cor., which is marked by an iron post, 2 ins. in diam., set, marked, and witnessed, as described in the official record.

S. $89^{\circ}53'$ W., bet. secs. 12 and 13.

Ascend over broken NE. and N. face of ledges.

4.80 Top of rim of ledges, bears easterly and westerly; continue along N. breaks of ledges and rims.

9.10 Top of ascent on ledgy point, 30 lks. S. of N. point of same; continue along broken N. breaks.

25.30 Small spur, slopes N.

27.50 Small spur, slopes N.

34.00 Small spur, slopes N.

39.00 Small spur, slopes N.

40.08 Point for the $\frac{1}{4}$ sec. cor. of secs. 12 and 13.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. in diam., 25 ins. in the ground, with brass cap marked.

S12

S13

1951

Raise a mound of stone, 4 ft. base, 2 ft. high, N. of cor.

47.00 Top of W. rim of breaks of the Muddy River, bears N. 10° W. and S. 10° E.; land becomes less broken.

56.70 Small wash, drains N.

60.20 Small wash, drains NE.

74.65 Porphyry dyke, bears N. 30° W. and S. 30° E.

80.15 The cor. of secs. 11, 12, 13, and 14.

Land, broken.

Soil, clay, sand, and rock.

Undergrowth, scattered desert shrubs.

No timber.

SUBDIVISION OF T. 24 S., R. 7 E.

Chains

N. 0° 03' W., bet. secs. 11 and 12.

Over rolling and broken land, through scattered short undergrowth.

0.40 Small gully near head, drains W.

3.50 Small draw near head, drains NW.

12.30 Small spur, slopes W.

26.90 Porphyry dyke, bears N. 30° W. and S. 30° E.

36.70 Low spur, slopes SE.

40.00 True point for the $\frac{1}{4}$ sec. cor. of secs. 11 and 12 falls on face of shale break where it is impracticable to set a cor. monument.40.40 Point for the witness $\frac{1}{4}$ sec. cor. of secs. 11 and 12.Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. in diam., 25 ins. in the ground, with brass cap marked

S11	↓	S12
W C		

1951

Raise a mound of stone, 4 ft. base, 2 ft. high, W. of cor.

43.10 Head of small gully, drains SE.

52.90 Small spur, slopes E.

61.00 Base of ascent over general SW. slope of red ledges, bears NW. and SE.;

80.00 Point for the cor. of secs. 1, 2, 11, and 12.

Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. in diam., 25 ins. in the ground, with brass cap marked

T24S R7E	
S2	S1
S11	S12

1951

Raise a mound of stone, 4 ft. base, 2 ft. high, W. of cor.

Land, rolling and broken.

Soil, clay, sand, and rock.

Undergrowth, sparse desert shrubs.

No timber.

From the true point for the cor. of secs. 1, 6, 7, and 12, on the E. bdy. of the township, which is North, 3.40 chs. dist. from the witness cor., marked by an iron post, 2 ins. in diam., set, marked, and witnessed, as described in the official record.

S. 89° 47' W., bet. secs. 1 and 12.

Descend over broken shale and clay breaks.

29.20 Top of E. rim of the Muddy River, bears N. 80° W. and SE.; descend 150 ft. over W. slope of rim to river.

SUBDIVISION OF T. 24 S., R. 7 E.

Chains

arise

38.86 Point for the witness $\frac{1}{4}$ sec. cor. of secs. 1 and 12, on top of small spur, slopes SW., 1 ch. to end, and W., 50 lks. dist. from the base of sharp point of nearly vertical ledge.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. in diam., 25 ins. in the ground, with brass cap marked

S1

WC $\frac{1}{4}$

S12

1951

Raise a large mound of stone around the iron post.

Descend 40 ft. over W. slope to the Muddy River.

40.08 The true point for the $\frac{1}{4}$ sec. cor. falls in wash, drains S., where it is impracticable to set a permanent cor.

40.40 Wash, drains SW. from a deep narrow gulch to the NE.

45.20 The Muddy River, stream of alkali water, 1 ch. wide, 6 ins. deep, flows S. 20° W., about 7 chs. dist., thence easterly, continue over bottom lands of river.

48.60 Base of ledges on W. side of bottom lands of river, bears N. 20° E. and S. 20° W.; ascend over E. breaks of ledges.

62.20 Spur, slopes NE.

65.00 Gulch, drains NE.; ascend 200 ft. over E. slope of ledges.

70.20 Spur, projects NE., about 5 chs. dist. to point.

77.70 Gulch, 60 ft. deep, drains NE.

80.16 The cor. of secs. 1, 2, 11, and 12.

Land, broken breaks of the Muddy River.

Soil, shallow clay and rock on breaks; deep sand in bottom lands of the Muddy River.

Undergrowth, scattered desert shrubs.

No timber.

N. 0°07' E., bet. secs. 1 and 2.

Along broken nearly inaccessible W. breaks of the Muddy River.

40.00 True point for the $\frac{1}{4}$ sec. cor. of secs. 1 and 2, falls on E. face of ledges, where it is impracticable to set a cor.; therefore, at a point, East, 1.37 chs. dist. from the true point for cor., and which point is the point for the witness $\frac{1}{4}$ sec. cor. of secs. 1 and 2, on top of small spur, projects SE., and 50 lks. E. of base of ledge, 100 ft. high.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. in diam., 25 ins. in the ground, with brass cap marked

WC S2 | S1

1951

Raise a large mound of stone around the iron post.

Continue along nearly inaccessible breaks of river.

SUBDIVISION OF T. 24 S., R. 7 E.

Chains

80.15 The true point for the cor. of secs. 1, 2, 35, and 36, on the N. bdy. of the township, which is West 3.60 chs. dist. from the witness cor., which is marked by an iron post, 2½ ins. in diam., set, marked, and witnessed, as described in the official record of the survey of this boundary.

Land, broken W. breaks of the Muddy River.
Soil, mostly ledges.
Undergrowth, a few scattered scrub bushes.
No timber.

From the cor. of secs. 2, 3, 34, and 35, on the S. bdy. of the township.

N. 0°01' W., bet. secs. 34 and 35.

Over broken land facing SW. and W., over a series of red shale and clay spurs and draws.

0.80 Top of small spur, slopes SW., 20 lks. to end.

4.10 Draw, 30 ft. deep, drains S. 70° W.

7.00 Small spur, slopes SW.

12.20 Wash, 20 lks. wide, in draw, drains W.; gradually ascend along W. slope of base of Hebs Mountain.

23.10 Wash, drains SW.

28.70 Draw, 25 ft. deep, drains W.

32.40 Draw, drains S. 80° W.

38.40 Wash in small branch draw, drains W.

39.81 Point for the witness cor. of secs. 34 and 35, at top of ascent on abrupt W. slope, 50 lks. W. of top of small hill and about 10 chs. W. of top of point of mountain.

Set an iron post, 30 ins. long, 2½ ins. in diam., 26 ins. in the ground, with brass cap marked

W C
S34 ↑ S35

1951

Raise a small mound of stone around the cor. monument.

Descend over ledgy NW. slope.

40.00 True point for the ¼ sec. cor. of secs. 34 and 35, falls on steep ledgy slope, where it is impracticable to set a cor. monument.

43.40 A main draw, drains SW.; ascend S. face of rim.

57.60 Top of ledge and rim of mountain, bears NW. and SE.; descend along E. slope to cor.

62.40 Ridge, bears N. 20° W. and S. 20° E.

74.20 Top of rise on E. slope, bears E. and W.

78.20 Descend steep NE. slope.

79.55 Point for the witness cor. of secs. 26, 27, 34, and 35, on steep NE.

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SUBDIVISION OF T. 24 S., R. 7 E.

Chains

slope.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. in diam., 20 ins. in the ground to solid rock and in a mound of stone, 4 ft. base, 8 ins. high, with brass cap marked

W C

T24S R7E

S27 S26

S34 S35

1951

80.00 True point for the cor. of secs. 26, 27, 34, and 35, falls in rocky draw, drains NE., on rocky NE. slope, where it is impracticable to set a permanent cor. monument.

Land, broken sandstone ledges and breaks.

Soil, clay, sand, and rock.

Undergrowth, scattered desert shrubs.

No timber.

From the true point for the cor. of secs. 25, 26, 35, and 36, which is S. $0^{\circ}01'$ E., 55 lks. dist. from the witness cor.

S. $89^{\circ}47'$ W., bet. secs. 26 and 35.

Ascend 550 ft. over broken abrupt E. face of Hebs Mountain.

6.80 Top of sandstone rim, 75 ft. high, bears N. and SW.; continue ascent.

19.00 Top of E. rim of Hebs Mountain, bears N. 20° W. and SW.; descend 50 ft. over W. slope.

29.70 Draw, drains N. 10° E.; ascend 70 ft. over E. slope.

35.20 Top of ascent, bears NE. and SW.; descend 50 ft. over broken NW. slope.

40.01 True point for the $\frac{1}{4}$ sec. cor. of secs. 26 and 35, falls in wash, 25 lks. wide, drains N. 30° W. from the SE. and SW. Impracticable to set a permanent cor. monument.

40.32 Point for the witness $\frac{1}{4}$ sec. cor. of secs. 26 and 35.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. in diam., 25 ins. in the ground, with brass cap marked

S26

 $\frac{1}{4}$

WC

S35

1951

Raise a mound of stone, 4 ft. base, 2 ft. high, N. of cor.

Ascend 30 ft. over NE. slope.

43.00 Top of ascent on N. slope; descend 75 ft.

51.90 Draw, drains N. 20° W.; ascend 70 ft. along N. slope.

64.00 Spur, slopes N. from the SE.; descend 105 ft. over W. slope.

68.80 Gulch, drains N. 20° W. from the SE.; ascend 60 ft.

72.80 Spur, slopes N. from the SE.; descend 100 ft. over abrupt W. slope.

77.00 Gulch, drains N. and heads S., about 20 lks. dist.; ascend 70 ft.

SUBDIVISION OF T. 24 S., R. 7 E.

Chains

80.02 The true point for the cor. of secs. 26, 27, 34, and 35, which is N. 0°01' W., 45 lks. dist. from the witness cor.

Land, broken E. and W. slopes of Hebs Mountain.
Soil, shallow clay, sand, and rock.
Undergrowth, scattered desert shrubs.
Timber, a few scattered scrub juniper.

From the true point for the cor. of secs. 26, 27, 34, and 35, which is N. 0°01' W., 45 lks. dist. from the witness cor.

N. 0°01' W., bet. secs. 26 and 27.

Over broken general N. slope of Hebs Mountain, through scattered short undergrowth, descend over broken steep NE. slope.

29.50 Top of W. rim of gulch, bears NW. and SE.; continue descent over broken NE. slope.

30.60 Bend in gulch, drains N. 10° E. from S. 20° E.; thence along abrupt E. slope at W. side of gulch.

40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 26 and 27, on abrupt rocky E. slope, 40 lks. E. of base of ledge and about 200 chs. W. of bottom of gulch, 310 ft. below sec. cor.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. in diam., 6 ins. in the ground to solid rock and in a large mound of stone, with brass cap marked

S27 | S26

1951

Continue along abrupt E. slope at W. side of gulch.

53.70 Enter bottom of gulch, drains N., from S. 10° E.; thence along bottom of gulch.

58.00 Leave bottom of gulch, drains NW., 2 chs. dist., thence SW.; ascend steep SW. slope.

61.40 Top of ascent on W. slope of ridge, bears E. 1 ch. to high point and W. 2 chs. to deep saddle; descend abrupt NW. slope.

69.70 Branch gulch, drains SW.

71.30 Top of ascent on W. slope of spur; descend.

77.00 Wash, 20 lks. wide, in bottom of wide draw, drains N. 60° E.

80.00 Point for the cor. of secs. 22, 23, 26, and 27, on gentle E. slope, 560 ft. below sec. cor. of secs. 26, 27, 34, and 35.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. in diam., 24 ins. in the ground and in a small mound of stone, 3 ft. base, 4 ins. high, with brass cap marked

T24S R7E

S22 | S23

S27 | S26

1951

Land, broken slopes of Hebs Mountain.
Soil, shale, clay, rock, and sand.

SUBDIVISION OF T. 24 S., R. 7E.

Chains

ended

Undergrowth, scattered desert shrubs.
 Timber, a few scattered scrub juniper, *Juniperus sp.*

SO. 15

From the cor. of secs. 23, 24, 25, and 26.

S. 89°49' W., bet. secs. 23 and 26.

Over broken breaks of Willow Spring Wash.

- 2.00 Low spur, slopes N. 10° E. 1 ch. to end.
- 2.80 Enter bottom of Willow Spring Wash, drains N. from S. 20° W.
- 10.00 Leave same, bears NE. and SW.; ascend broken E. slope.
- 20.00 Small draw, drains S. 80° E.
- 28.00 Top of E. rim of bench spur, bears N. and S.; thence over top of spur which slopes to the S.
- 33.00 Leave top of bench spur, bears N. and S.
- 36.00 The E. edge of Willow Spring Wash, bears N. 10° E. and S. 10° W.; thence across wash which drains S. 10° N.
- 40.00 True point for the 4 sec. cor. of secs. 23 and 26, falls in bottom of Willow Spring Wash, where it is impracticable to set a permanent cor. monument.
- 42.00 Leave bottom of Willow Spring Wash, bears N. 10° E. and S. 10° W.; ascend gradual SE. slope.
- 44.40 Point for the witness 4 sec. cor. of secs. 23 and 26, on SE. slope.
- Set an iron post, 30 ins. long, 2½ ins. in diam., 24 ins. in the ground and in a small mound of stone, with brass cap marked

S23
 4 → WC
 S26

1951

Raise a mound of stone, 4 ft. base, 2 ft. high, N. of cor.

Thence along S. slope.

- 50.00 Low bench spur, projects NE.; thence along a N. slope.
- 54.00 Wash, 20 fms. wide, in wide draw, drains NE.; ascend gradually.
- 58.00 The cor. of secs. 22, 23, 26, and 27.
- Land, broken,
 soil, clay, shale, sand, and rock.
 Undergrowth, scattered desert shrubs.
 No timber.

N. 0°11' W., bet. secs. 22 and 23.

Ascend gradually over rolling and broken land.

62.00 The E. edge of wide draw and base of small rim, bears NE. and SW.

66.00 Top of S. edge of bench spur, bears NE. and SW.; thence across top of spur which slopes easterly.

SUBDIVISION OF T. 24 S., R. 7 E.

Chains							
19.10	Top of N. edge of bench spur, bears E. and NW.; descend.						
24.50	Short branch draw, drains N. 10° E.						
31.00	Willow Spring Wash, 1.50 chs. wide, drains N. 10° E.; thence over sandy bottom lands of wash.						
39.40	Wash, 20 lks. wide, 6 ft. deep, drains E., 2 chs. dist. to its junction with Willow Spring Wash.						
40.00	Point for the $\frac{1}{4}$ sec. cor. of secs. 22 and 23, on nearly level ground.						
40.19	Set an iron post, 30 ins. long, 2- ins. in diam., 24 ins. in the ground with brass cap marked						
	<div style="text-align: center;"> <table border="1"> <tr> <td>S22</td><td>S23</td></tr> </table> <p>1951</p> </div>	S22	S23				
S22	S23						
	Raise a small mound of stone around the iron post.						
43.00	Leave bottom lands of Willow Spring Wash, bears E. and S. 20° E.; thence over rolling land.						
44.10	Small rise, bears E. and SW.; enter broken land.						
45.60	Small wash, drains S. 80° E.						
47.40	Recross wash in draw, drains SW. for 1 ch., thence southerly.						
80.00	Point for the cor. of secs. 14, 15, 22, and 23, at top of ascent, on gradual W. slope, about 4 chs. to the NW. of top of hill.						
	Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. in diam., 24 ins. in the ground, with brass cap marked						
	<div style="text-align: center;"> <table border="1"> <tr> <td colspan="2">T24S R7E</td></tr> <tr> <td>S15</td><td>S14</td></tr> <tr> <td>S22</td><td>S23</td></tr> </table> <p>1951</p> </div>	T24S R7E		S15	S14	S22	S23
T24S R7E							
S15	S14						
S22	S23						
	Raise a mound of stone, 4 ft. base, 2 ft. high, W. of cor.						
	Land, rolling and broken.						
	Soil, sand and clay.						
	Undergrowth, scattered desert shrubs.						
	No timber.						
	From the cor. of secs. 13, 14, 23, and 24.						
	S. 69°49' W., bet. secs. 14 and 23.						
	Over broken S. slope of desert land, through scattered short undergrowth.						
1.50	Low spur, slopes SW.; descend gradual N. slope.						
10.60	Draw, drains SW.; ascend E. slope.						
17.00	Spur, slopes SW.; thence along S. slope.						
40.01	The true point for the $\frac{1}{4}$ sec. cor. falls in bottom of small drain, 10 lks. wide, course S. 80° W., where it is impracticable to set a permanent cor. monument.						

113

SUBDIVISION OF T. 24 S., R. 7 E.

Chains		arise
40.52	Point for the witness $\frac{1}{4}$ sec. cor. of secs. 14 and 23, on S. bank of wash. Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. in diam., 20 ins. in the ground to solid rock and in a mound of stone to top, with brass cap marked	00.15
	$\xrightarrow{S14 \rightarrow S23}$	00.15
	Continue along general S. slope.	00.00
48.00	Top of ascent on S. slope, slopes SW.; thence over broken eroded land facing SW.	
53.40	Wash, 50 lks. wide, 6 ft. deep, in main draw, drains SE.; ascend 130 ft. over E. slope.	
76.20	Top of ascent on N. slope, 2 chs. N. of N. base of hill; descend 15 ft. over N. slope.	
80.02	The cor. of secs. 14, 15, 22, and 23. Land, rolling and broken. Soil, clay, sand, and rock. Undergrowth, scattered desert shrubs. No timber.	00.15
	N. $0^{\circ}01'$ W., bet. secs. 14 and 15. Descend gradual E. slope of rolling bench land to the west, through scattered short undergrowth.	00.15
17.20	Base of descent on E. slope, drains S. 80° E. to draw draining S.	
21.20	Top of low rise on E. slope.	
38.10	Wash, 30 lks. wide, 4 ft. deep, in bottom of main draw, drains SE.	
73.30	Recross same wash, drains SW., about 1 ch. dist., thence SE.	
40.00	True point for the $\frac{1}{4}$ sec. cor. of secs. 14 and 15, falls in wash where it is impracticable to set a permanent cor.	
40.50	Point for the witness $\frac{1}{4}$ sec. cor. of secs. 14 and 15. Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. in diam., 25 ins. in the ground, with brass cap marked	
	$\frac{1}{4}$ S15 S14 1951	
	Raise a mound of stone, 4 ft. base, 3 ft. high, W. of cor. Thence over sandy bench land with a slight SW. exposure.	
60.00	Point for the cor. of secs. 10, 11, 14, and 15. Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. in diam., 25 ins. in the ground, with brass cap marked	00.15
		10.00

SUBDIVISION OF T. 24 S., R. 7 E.

Chains

T24S	R7E
S10	S11
S15	S14

1951

Raise a mound of stone, 4 ft. base, 3 ft. high, W. of cor.

Land, rolling.

Soil, sand and clay.

Undergrowth, desert shrubs and grasses.

No timber.

From the cor. of secs. 11, 12, 13, and 14.

S. 89°49' W., bet. secs. 11 and 14.

Over rolling and broken desert land, through scattered short undergrowth.

0.60 Shallow draw near head, drains NE.

4.00 Low rise; bears N. and S.

13.50 Shallow draw, drains N.

21.50 Top of black porphyry dyke, forming a low ridge, bears S. 20° E., and N. 20° W. about 10 chs. dist. to end.

38.40 Very small drain, course NW.

40.01 Point for the $\frac{1}{4}$ sec. cor. of secs. 11 and 14, on ledgy NW. slope.

Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. in diam., 25 ins. in the ground, with brass cap marked

S11

S14

1951

Raise a mound of stone, 4 ft. base, around the iron post.

44.80 Small branch wash, drains SW.; descend broken W. slope.

52.50 Wash, 25 lks. wide, 3 ft. deep, in ravine, drains SW.

80.00 The cor. of secs. 10, 11, 14, and 15.

Land, rolling and broken desert.

Soil, sand, clay, and rock.

Undergrowth, scattered desert shrubs.

No timber.

N. 0°01' W., bet. secs. 10 and 11.

Over rolling bench land, draining and sloping to the SW.

6.30 Low rise; slopes SW.

14.60 Drain in wide swale, drains SW.

40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 10 and 11, on gradual SW. slope of bench.

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SUBDIVISION OF T. 24 S., R. 7 E.

Chains

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. in diam., 25 ins. in the ground, with brass cap marked

$\frac{1}{4}$
 S10 | S11

1951

Raise a mound of stone, 4 ft. base, 3 ft. high, W. of cor.

49.50 Shallow ravine, drains W.

52.50 Ravine, drains SW.

57.00 Ridge, bears NE. and SW.; leave rolling bench land and enter broken and eroded shale and clay slopes with a westerly exposure and drainage.

64.00 Ravine, drains S. 80° W.

78.00 Gulch, 50 ft. deep, drains SW.

79.67 Point for the witness cor. of secs. 2, 3, 10, and 11,

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. in diam., 25 ins. in the ground, with brass cap marked

W.C
 T24S R7E
 S3 ↑ S2
 S10 | S11

1951

Raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor.

80.00 True point for the cor. of secs. 2, 3, 10, and 11, falls on steep face of shale break, where it is impracticable to set a cor. monument.

Land, broken and rolling.

Soil, sand, clay, shale, and rock.

Undergrowth, scattered desert shrubs.

No timber.

From the cor. of secs. 1, 2, 11, and 12.

S. 89°50' W., bet. secs. 2 and 11.

Ascend E. slope of broken land, through scattered undergrowth.

0.80 Top of rim, bears N. and S. 30° W.; continue ascent over E. slope.

6.00 Ridge, bears S., and N. 3 chs., thence NW.

15.50 Low porphyry dyke, bears N. 30° W. and S. 30° E.

38.60 Small wash, drains SW.

39.99 Point for the $\frac{1}{4}$ sec. cor. of secs. 2 and 11.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. in diam., 25 ins. in the ground, with brass cap marked

S2

S11

1951

SUBDIVISION OF T. 24 S., R. 7 E.

Chains

Raise a mound of stone, 4 ft. base, 3 ft. high, N. of cor.

45.70 Bend in same wash, drains SW. from the SE.

47.00 Recross same wash, drains N. 70° W.

54.50 Wash, 20 ft. deep, drains SW.

67.20 Top of rise, bears NE. and SW.; leave rolling land and enter broken breaks.

78.00 Gulch, 50 ft. deep, drains SW.

79.00 Top of S. point of rise from the N.

79.98 The true point for the cor. of secs. 2, 3, 10, and 11, which is N. 0°01' W., 33 lks. dist. from the witness cor.

Land, rolling and broken.
Soil, shale, sand, clay, and rock.
Undergrowth, scattered desert shrubs.
No timber.

From the true point for the cor. of secs. 2, 3, 10, and 11, which is N. 0°01' W., 33 lks. dist. from the witness cor.

N. 0°02' E., bet. secs. 2 and 3.

Ascend over broken general W. slope of red shale and sandstone breaks and outcroppings.

4.50 Top of ascent on gradual W. slope; descend gradually.

19.00 Begin steep descent over N. slope.

21.30 Gulch, 40 ft. deep, drains NW.

22.10 Franch gulch, 40 ft. deep, drains W., 1 ch. dist. to its junction with last gulch.

30.20 Junction of draw from the E. with draw draining NW. from S. 10° W.; at the base of steep broken land bearing E. and N. 80° W.; enter rolling land with a general westerly slope.

40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 2 and 3, on general SW. slope.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. in diam., 24 ins. in the ground, with brass cap marked

S3 | S2

1951

Raise a mound of stone, 4 ft. base, around the iron post.

42.50 Top of red shale rise near SW. end, bears N. 30° E.

76.70 Spur, slopes N. 30° W.; descend gradual NE. slope.

80.55 The true point for the cor. of secs. 2, 3, 34, and 35, on the N. bdy. of the township, which is West, 40 lks. dist. from the witness cor. The witness cor. is marked by an iron post, $2\frac{1}{2}$ ins. in diam., set, marked, and witnessed, as described in the official record.

Land, broken and rolling.

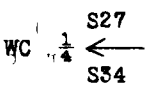
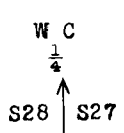
117

SUBDIVISION OF T. 24-S., R. 7 E.

Chains	Soil, clay, shale, sand, and rock. Undergrowth, scattered desert shrubs. No timber.
	From the cor. of secs. 3, 4, 33, and 34, on the S. bdy. of the township.
	N. 0°02' W., bet. secs. 33 and 34.
	Over rolling desert land, through scattered short undergrowth.
27.70	Wash, 30 lks. wide, 6 ft. deep, drains NW.
35.00	Recross same wash, drains NE.
40.00	Point for the cor. of secs. 33 and 34, on gradual E. slope.
	Set an iron post, 30 ins. long, 2½ ins. in diam., 22 ins. in the ground to solid rock and in a mound of stone, 3 ft. base, with brass cap marked
	<div style="display: flex; justify-content: center; align-items: center;"> <div style="border-right: 1px solid black; padding: 0 5px;">S33</div> <div style="padding: 0 5px;">S34</div> </div> <div style="text-align: center; margin-top: 5px;">1951</div>
48.20	Recross same wash, drains NW.
51.40	Recross same wash, drains NE.
65.00	Recross same wash, drains W.
73.30	Small wash, drains NW.
80.00	Point for the cor. of secs. 27, 28, 33, and 34, on SW. slope.
	Set an iron post, 30 ins. long, 2½ ins. in diam., 6 ins. in the ground to solid rock and in a mound of earth and stone to top, with brass cap marked
	<div style="display: flex; justify-content: center; align-items: center;"> <div style="border-right: 1px solid black; padding: 0 5px;">T24S S28</div> <div style="border-right: 1px solid black; padding: 0 5px;">R7E S27</div> </div> <div style="display: flex; justify-content: center; align-items: center;"> <div style="border-right: 1px solid black; padding: 0 5px;">S33</div> <div style="padding: 0 5px;">S34</div> </div> <div style="text-align: center; margin-top: 5px;">1951</div>
	Raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor.
	Land, rolling desert.
	Soil, sand and clay.
	Undergrowth, desert shrubs.
	No timber.
	From the true point for the cor. of secs. 26, 27, 34, and 35, which is N. 0°01' W., 45 lks. dist. from the witness cor.
	S. 89°50' W., bet. secs. 27 and 34.
	Over broken land; ascend steep NE. and E. slope, 190 ft. to ridge.
6.30	Top of high point, on mountain ridge, bears N. 60° W. and S. 10° E.; descend 140 ft. over steep SW. slope of Hebs Mountain.
15.00	Base of abrupt descent, bears NW. and SE.; thence along broken S. slope.
19.50	Head of depression on S. slope, drains S.

SUBDIVISION OF T. 24 S., R. 7 E.

Chains

- 24.00 Top of main rim of Hebs Mountain on ledge point, bears South 50 lks. dist.; thence along abrupt SW slope, descend 310 ft., to the witness cor. cor.
- 39.74 Point for the witness $\frac{1}{4}$ sec. cor. of secs. 27 and 34, on small red spur, slopes SW., at the W. base of Hebs Mountain, bears NW. and SE.
- Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. in diam., 18 ins. in the ground to solid rock and in a mound of stone to top, with brass cap marked
- 
- 1951
- 40.02 True point for the $\frac{1}{4}$ sec. cor. of secs. 27 and 34, falls on steep face of ledge where it is impracticable to set a cor. monument, descend gradual W. slope.
- 44.90 Shallow draw, drains SW.
- 61.20 Gully, drains N. 60° W.
- 71.20 Top of small knoll.
- 77.90 Trail road, bears N. and S.
- 80.03 The cor. of secs. 27, 28, 33, and 34.
- Land, broken slopes of Hebs Mountain E. portion of mile, rolling desert land on W. portion.
Soil, clay, shale, sand, and rock.
No timber.
-
- N. 0°02' W., bet. secs. 27 and 28.
- Over rolling and broken desert land.
- 4.00 Unimproved road, bears NW. and S. 20° E.
- 14.40 Top of flat spur, slopes NW.
- 17.90 Shallow draw, drains NW.
- 26.00 Wash, drains NE.
- 33.30 Wash, drains NW.
- 39.00 Point for the witness $\frac{1}{4}$ sec. cor. of secs. 27 and 28.
- Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. in diam., 25 ins. in the ground, with brass cap marked
- 
- 1951
- Raise a mound of stone, 4 ft. base, 3 ft. high, W. of cor.
- 40.00 True point for the $\frac{1}{4}$ sec. cor. falls in wash draining NE., where it is impracticable to set a cor. monument.
- 41.00 Recross same wash, drains NW.

SUBDIVISION OF T. 24 S., R. 7 E.

Chains

42.20

Top of the S. bank of Willow Spring Wash, bears E. and W.

42.40

Enter bottom of Willow Spring Wash, drains E.; thence across wash.

43.70

The N. edge of wash, bears E. and W.; thence across bottom lands of wash.

76.00

Leave bottom lands of wash and ascend over bench land, bears NE. and SW.

60.00

Point for the cor. of secs. 21, 22, 27, and 28, on top of bench land.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. in diam., 25 ins. in the ground, with brass cap marked

T24S R7E

S21

S22

S28

S27

1951

Raise a mound of stone, 4 ft. base, 3 ft. high, W. of cor.

Land, rolling.

Soil, clay, sand, and rock.

Undergrowth, desert shrubs.

No timber.

From the cor. of secs. 22, 23, 26, and 27.

S. $89^{\circ}46'$ W., bet. secs. 22 and 27.

Over broken desert land, through scattered scrub undergrowth.

17.50

Top of spur, 100 ft. above cor., slopes N. 20° E.

16.00

Side hill gully, 60 ft. deep, drains NW.

16.00

Top of ascent on N. slope at N. face of bluff, 50 ft. high; summit of pinnacle, bears South, about 3 chs. dist.

22.60

Top of right bank of Willow Spring Wash, bears S. 85° W. and NE.

35.70

Top of right bank of Willow Spring Wash, bears N. 80° W. and S. 65° E.

39.95

Point for the $\frac{1}{4}$ sec. cor. of secs. 22 and 27.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. in diam., 25 ins. in the ground, with brass cap marked

S22

$\frac{1}{4}$

S27

1951

Raise a mound of stone, 4 ft. base, 3 ft. high, N. of cor.

43.40

Short branch wash, drains N. to Willow Spring Wash.

53.20

Rise, bears NE. and SW.; descend broken NW. slope.

62.00

Enter bottom lands of Willow Spring Wash, bears N. 70° E. and S. 70° W.

64.20

Right bank of Willow Spring Wash, bears N. 70° E. and S. $70\frac{1}{2}^{\circ}$ W.; thence across wash draining N. 70° E.

SUBDIVISION OF T. 24 S., R. 7 E.

Chains	
67.20	Left bank of Willow Spring Wash, bears N. 70° E. and S. 70° W.; thence over sandy bottom lands.
74.00	Base of abrupt ascent over E. rim of bench, bears NE. and S.
78.40	Top of E. rim of bench, bears N. 10° W. and SE.
79.91	The cor. of secs. 21, 22, 27, and 28.
	Land, broken and rolling. Soil, sand, clay, shale, and rock. Undergrowth, scattered desert shrubs. No timber.
	N. 0°02' W., bet. secs. 21 and 22.
	Over rolling and broken land; descend gradually over top of bench.
3.00	Leave top of bench and enter broken land facing SE.; edge bears W. and S. 30° E.
5.40	Gully, 50 ft. deep, drains E.
11.00	The E. point of a bench from the W.
12.90	Gully, heads NW., about 6.00 chs.. dist. and drains SE.
15.00	The N. rim of gully, bears NW. and SE.; ascend SW. slope of bench.
37.00	Begin ascent over rocky SW. slope.
40.00	Point for the $\frac{1}{4}$ sec. cor. of secs. 21 and 22, on rocky SW. slope.
	Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. in diam., 24 ins. in the ground, with brass cap marked
	$\frac{1}{4}$
	S21 S22
	1951
	Raise a mound of stone, 4 ft. base, 3 ft. high, W. of cor.
41.60	Enter table land, bears N. 70° W. and SE.
44.30	Leave top of same, bears E. and W.; descend steep N. slope.
49.50	The N. base of rim, bears E. and W.; thence over broken land sloping E.
53.50	Top of rise, bears NW. and SE.
61.90	Small wash, drains E.
66.20	Wash, 20 lks. wide, drains S. 80° E.
80.00	Point for the cor. of secs. 15, 16, 21, and 22, on slight general SE. exposure.
	Set an iron post, 3 ft. long, $2\frac{1}{2}$ ins. in diam., 25 ins. in the ground, with brass cap marked

T24S	R7E
S16	S15
S21	S22

1951

SUBDIVISION OF T. 24 S., R. 7 E.

Chains		
	Land, rolling and broken. Soil, clay, sand, and rock. Undergrowth, sparse desert shrubs. No timber.	40.00
	From the cor. of secs. 14, 15, 22, and 23. S. 89°47' W., bet. secs. 15 and 22. Over gently rolling west slope.	30.00
30.00	Swale drains SE., thence over bench land sloping SE.	
40.02	Point for the $\frac{1}{4}$ sec. cor. of secs. 15 and 22, on top of bench land. Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. in diam., 25 ins. in the ground, with brass cap marked	
	$\frac{1}{4}$ S15 S22 1951	
	Raise a small mound of stone around the iron post.	
48.80	Small draw drains S. 30° E. for 3 chs., thence SW. through dyke.	
50.60	Porphyry dyke, bears N. 30° W. and S. 30° E., thence over broken SW. slope.	
67.00	Small wash drains SE.	
79.00	Small wash drains S. 30° E.	
80.02	The cor. of secs. 15, 16, 21, and 22. Land, rolling. Soil, sand and clay. Undergrowth, scattered desert shrubs. No timber.	
	N. 0°02' W., bet. secs. 15 and 16. Over rolling desert land.	
2.30	Wash, 10 lks. wide, 2 ft. deep, drains SE.	
26.30	Top of a low red shale knoll.	
30.00	Land becomes more level, bears E. and W.	
40.00	Point for the $\frac{1}{4}$ sec. cor. of secs. 15 and 16. Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. in diam., 25 ins. in the ground, with brass cap marked	
	$\frac{1}{4}$ S16 S15 1951	
	Raise a mound of stone, 4 ft. base, 3 ft. high, W. of cor.	

SUBDIVISION OF T. 24 S., R. 7 E.

Chains

- 48.60 Dim unimproved road, bears E. and W.
- 59.30 Wash, 20 lks. wide, 10 ft. deep, drains NW.
- 60.60 Small wash, drains SW.
- 72.40 Bend in wash, drains NW. from the SW.
- 80.00 Point for the cor. of secs. 9, 10, 15, and 16.

Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. in diam., 25 ins. in the ground, with brass cap marked

T24S R7E,

S9 S10

S16 S15

1351

Raise a mound of stone, 4 ft. base, 3 ft. high, W. of cor.

Land, rolling.

Soil, sand and clay.

Undergrowth, scattered desert shrubs.

No timber.

From the cor. of secs. 10, 11, 14, and 15.

S. 89°47' W., bet. secs. 10 and 15.

Over rolling and broken desert land, through scattered short undergrowth.

- 30.00 Wash, drains SW.

- 34.30 Dim unimproved road, bears N.E. and SW.

- 39.97 Point for the sec. cor. of secs. 10 and 15.

Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. in diam., 25 ins. in the ground, with brass cap marked

S10

S15

1351

Raise a mound of stone, 3 ft. base, 2 ft. high, E. of cor.

- 51.10 Wash, drains W.

- 67.30 Land becomes more broken, bears NE. and SW.

- 79.30 Wash, 10 lks. wide, 10 ft. deep, drains NW.

- 79.33 The cor. of secs. 9, 10, 15, and 16.

Land, rolling and broken.

Soil, sand and clay.

Undergrowth, scattered desert shrubs.

No timber.

N. 0°02' W., bet. secs. 9 and 10.

123

SUBDIVISION OF T. 24 S., R. 7 E.

Chains	Over broken blue shale and clay breaks.
2.00	Small draw, drains NW.
2.60	Small draw, drains W.; thence over broken land facing W.
22.00	Descend N. slope into gulch.
31.40	Bottom of main gulch, drains NE.; ascend broken SE. and E. slopes.
40.00	Point for the $\frac{1}{4}$ sec. con. of secs. 9 and 10, on gentle E. slope of bench. Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. in diam., 24 ins. in the ground, with brass cap marked <div><div>I</div><div>I</div><div>$\frac{1}{4}$</div><div>I</div><div>I</div><div>S9</div><div>S10</div></div> 1951 Raise a mound of stone, 3 ft. base, around the iron post.
44.80	Top of ascent on E. slope, bears NE. and SW. descend along broken E. slope.
52.70	Small branch draw, drains NE. to gulch; ascend SE. slope.
59.70	Top of ascent on spur, slopes NE.; descend NE. slope.
65.00	Thence over NW. slope.
73.80	Wash, 50 lks. wide, in bottom of main gulch, drains NE.; thence over bottom lands; a few scattered juniper found to the W. of line.
79.70	Leave bottom lands and ascend gradual SE. slope, bears NE. and SW.
80.00	Point for the cor. of secs. 3, 4, 9, and 10. Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. in diam., 25 ins. in the ground, with brass cap marked <div><div>T24S R7E</div><div>S4</div><div>S3</div><div>S9</div><div>S10</div></div> 1951 <div><div>I</div><div>I</div></div> Raise a small mound of stone around the iron post. Land, broken. Soil, shale and blue clay. Undergrowth, scattered desert shrubs. Timber, a few scattered scrub juniper.
<hr/>	
From the true point for the cor. of secs. 2, 3, 10, and 11, which is N. $0^{\circ}01'$ W., 33 lks. from the witness cor. S. $89^{\circ}47'$ W., bet. secs. 3 and 10. Over rough broken land.	
1.30	Gulch, 40 ft. deep, drains SW.
2.50	Gulch, 50 ft. deep, drains SW.
9.80	Top of ascent, bears NE. and SW.; thence over barren sandstone.

SUBDIVISION OF T. 24 S., R. 7 E.

Chains	
20.50	Leave barren sandstone, bears N. and S.
25.80	Small draw, drains S. 80° W.
30.30	Draw, drains S., 2 chs. thence SW.; ascend broken SW. slope.
39.00	Wash, 50 lks. wide, 3 ft. deep, in ravine, drains N. 20° W.; unimproved road, bears N. and SE.; thence over sandy flat.
39.98	Point for the $\frac{1}{4}$ sec. cor. of secs. 3 and 10.
	Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. in diam., 25 ins. in the ground, with brass cap marked
	$\frac{1}{4}$ S3
	S10
	1951
	Raise a mound of stone, 3 ft. base, 2 ft. high, N. of cor.
49.50	Ascend steep E. and NE. slopes.
67.10	Spur, slopes N.; descend broken W. slope.
	Wash, 40 lks. wide, at mouth of gulch, drains N., 2 chs. to its junction with wash draining NE.
77.30	Wash, 50 lks. wide, 4 ft. deep, in bottom of main gulch, drains NE., 1 ch.; thence E.
79.80	Enter bottom lands, bears NE. and SW.
79.96	The cor. of secs. 3, 4, 9, and 10.
	Land, broken.
	Soil, shale, clay, rock, and sand.
	Undergrowth, scattered desert shrubs.
	No timber.
	I: I
	N. 0°09' E., bet. secs. 3 and 4.
	Over rough broken land, ascend 50 ft. over SE. slope.
2.60	Top of an abrupt ascent on rim; thence along broken rim facing E.
31.30	Top of red sandstone rim ledge, 30 ft. high.
35.50	Top of rim, bears NE. and SW.; thence over sandy bench land.
40.00	Point for the $\frac{1}{4}$ sec. cor. of secs. 3 and 4, on slight SE. slope, 130 ft. above the sec. cor.
	Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. in diam., 24 ins. in the ground, with brass cap marked
	$\frac{1}{4}$ S4 S3
	1951
	Raise a small mound of stone around the iron post.
	Thence ascend 60 ft. over sandy bench land sloping S.
63.80	Top of small rise on S. side of ravine, bears NE. and SW.
65.80	Wide shallow draw near head, drains SW.; ascend 160 ft. over steep S. face of rim.

SUBDIVISION OF T. 24 S., R. 7 E.

Chains

- 73.10 Top of white rim, bears E. and NW.; thence along top sloping W., through very scattered juniper.
- 76.00 Begin descent over NW. slope.
- 80.53 The true point for the cor. of secs. 3, 4, 33, and 34, on the N. bdy. of the township, which is West, 90 lks. dist. from the witness cor. Witness cor. is marked by an iron post, $2\frac{1}{2}$ ins. in diam., set, marked, and witnessed, as described in the official record.
- Land, broken sandstone and shale breaks.
Soil, clay, sand, and rock.
Undergrowth, scattered desert shrubs.
Timber, a few scattered scrub juniper on N. portion of mile.

From the cor. of secs. 4, 5, 32, and 33, on the S. bdy. of the township.

N. $0^{\circ}03'$ W., bet. secs. 32 and 33.

Over rolling sandy bench land, with sandstone outcroppings.

- 6.90 Wash, 20 lks. wide, 4 ft. deep, in swale, drains NW.; ascend gentle SW. slope.

- 15.60 Top of rise on W. slope; continue along W. slope.

- 40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 32 and 33, on gradual N. slope of rolling bench.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. in diam., 25 ins. in the ground, with brass cap marked

S32 | S33

1951

Raise a small mound of stone around the iron post.

- 80.00 Point for the cor. of secs. 28, 29, 32, and 33, on nearly level land.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. in diam., 24 ins. in the ground, with brass cap marked

T24S R7E
S29 | S28

S32 | S33

1951

Raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor.

Land, rolling.

Soil, sand and clay.

Undergrowth, scattered desert shrubs.

No timber.

From the cor. of secs. 28, 29, 32, and 33.

S. $89^{\circ}48'$ W., bet. secs. 28 and 33.

Over rolling and broken bench land.

SUBDIVISION OF T. 24 S., R. 7 E.

Chains	
4.60	Large wash, in draw, drains NW.
13.10	Sharp spur, projects NW., 3.00 chs. dist. to end.
15.90	Small branch wash, drains NW.
19.50	Large wash, 40 lks. wide, 8 ft. deep, in draw, drains N.
31.20	Ridge with stock trail on top, bears S., and N. to Dead Man Peak.
40.02	Point for the $\frac{1}{4}$ sec. cor. of secs. 28 and 33, in bottom of sandy swale, drains N. Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. in diam., 25 ins. in the ground, with brass cap marked <div style="text-align: center;"> S28 $\frac{1}{4}$ S33 1951 </div> Raise a small mound of stone around the iron post.
59.50	Land becomes more level, bears NE. and SW.
53.00	Land becomes nearly level, bears NE. and SW.
80.03	The cor. of secs. 28, 29, 32, and 33. Land, rolling. Soil, sand and clay. Undergrowth, scattered desert shrubs. No timber.
	N. 0°03' W., bet. secs. 28 and 29.
	Over gently rolling bench land with a slight northwesterly exposure.
16.00	Large main wash, drains NE.
21.30	Recross wash, drains NW.
24.60	Recross wash, drains NE.
40.00	Point for the $\frac{1}{4}$ sec. cor. of secs. 28 and 29. Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. in diam., 25 ins. in the ground, with brass cap marked <div style="text-align: center;"> $\frac{1}{4}$ S29 S28 1951 </div> Raise a mound of stone, 4 ft. base, 3 ft. high, W. of cor.
41.55	Top of small rim ledge, bears NE. and SW.
55.80	Top of S. breaks of gulch, bears E. and W.
63.10	Bottom of gully, 50 ft. deep, drains E.
80.00	Point for the cor. of secs. 20, 21, 28, and 29, on slight NE. slope. Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. in diam., 24 ins. in the

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SUBDIVISION OF T. 24 S., R. 7 E.

Chains

ground, with brass cap marked

T24S R7E

S20 S21

S29 S28

1951

Raise a mound of stone, 4 ft. base, 3 ft. high, W. of cor.

Land, rolling and broken.

Soil, sand, clay, and rock.

Undergrowth, scattered desert shrubs.

No timber.

From the cor. of secs. 21, 22, 27, and 28.

S. 89°47' W., bet. secs. 21 and 28.

Over rolling and broken bench land.

14.00 Unimproved road, bears N. 30° W. and S.

35.70 Top of W. edge of bench, bears NW. and S. 10° E.; thence over rolling land.

40.01 Point for the $\frac{1}{4}$ sec. cor. of secs. 21 and 28.Set an iron post. 30 ins. long, $2\frac{1}{2}$ ins. in diam., 25 ins. in the ground, with brass cap marked

S21

 $\frac{1}{4}$

S28

1951

Raise a mound of stone, 3 ft. base, 2 ft. high, N. of cor.

46.80 Small wash, drains S., about 4 chs. dist. to Willow Spring Wash.

57.50 Top of small rise, bears NW. and SE.

58.50 Enter bottom lands of Willow Spring Wash, bears NW. and SE.; thence across wash draining SE.

71.20 Leave bottom lands of Willow Spring Wash, bears N. 70° W. and SE.; ascend gradual E. slope.

80.02 The cor. of secs. 20, 21, 28, and 29.

Land, rolling.

Soil, deep sand and clay.

Undergrowth, scattered desert shrubs.

No timber.

N. 0°03' W., bet. secs. 20 and 21.

Over rolling and broken land.

1.90 The N. edge of bench and S. rim of wash, bears N. 80° W. and S. 80° E.

3.90 The S. edge of Willow Spring Wash, drains S. 80° E.

5.90 The N. edge of same, bears N. 80° W. and S. 80° E.; continue along

SUBDIVISION OF T. 24 S., R. 7 E.

Chains

bottom lands of wash.

28.20 Enter Willow Spring Wash, drains S. 30° W.; thence across wash.

30.40 Leave Willow Spring Wash, bears N. 30° E. and S. 30° W.; continue along bottom lands of wash.

34.80 Enter same wash, drains SE.

37.30 Leave same wash, bears NW. and SE.; continue over bottom lands.

40.00 True point for the $\frac{1}{4}$ sec. cor. of secs. 20 and 21, falls on ground subject to flooding, where it is impracticable to set a cor. monument.

41.20 Point for the witness $\frac{1}{4}$ sec. cor. of secs. 20 and 21, at a point 50 lks. E. of the E. bank of Willow Spring Wash.

Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. in diam., 24 ins. in the ground, with brass cap marked

S20 ↓ S21
W C

1951

Raise a mound of stone, 4 ft. base, 3 ft. high, W. of cor.

Continue over bottom lands of Willow Spring Wash.

47.00 Leave bottom lands of wash, bears N. 20° W. and S. 20° E.; ascend along steep rocky W. slope of bluff.

53.70 Rocky point on W. face of bluff; continue along W. slope.

65.00 Ridge and NW. end of bluff, 110 ft. above Willow Spring Wash, bears W. and SE.; descend gradually over bench land.

80.00 Point for the cor. of secs. 16, 17, 20, and 21, on nearly level land.

Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. in diam., 25 ins. in the ground, with brass cap marked

T24S R7E

S17	S16
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S20	S21
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1951

Raise a mound of stone, 4 ft. base, 3 ft. high, W. of cor.

Land, rolling and broken.

Soil, sand and clay.

Undergrowth, scattered desert shrubs.

No timber.

From the cor. of secs. 15, 16, 21, and 22.

S. 89°45' W., bet. secs. 16 and 21.

Over rolling and broken land; ascend 200 ft. over steep E. slope.

28.60 From this point, a small reservoir, bears N. 86°41' W., about 25.00 chs.

28.70 Low ridge, bears NW. and S.

SUBDIVISION OF T. 24 S., R. 17 E.

Chains		
40.02	Point for the $\frac{1}{4}$ sec. cor. of secs. 16 and 21.	
	Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. in diam., 25 ins. in the ground, with brass cap marked	
		S16
		$\frac{1}{4}$
		S21
		1951
	Raise a mound of stone, 3 ft. base, 2 ft. high, N. of cor.	
56.00	Base of gradual descent over W. slope, bears N. and S.; thence over nearly level land.	
69.40	Unimproved road, bears NW. and SE.	
80.04	The cor. of secs. 16, 17, 20, and 21.	
	Land, rolling and broken. Soil, clay and sand. Undergrowth, scattered desert shrubs. No timber.	
	N. 0°03' W., bet. secs. 16 and 17.	
	Over slight SE. exposure of rolling desert land.	
12.20	Unimproved road, bears NW. and SE.	
15.00	Begin gradual ascent over S. slope.	
18.60	Small black rock knoll, bears West, about 2 chs. dist., on ridge bearing NW. and E., 50 ft. above sec. cor.; descend broken NE. slope.	
29.50	Low porphyry dyke, bears N. 56° W. and S. 30° E.	
46.00	Point for the $\frac{1}{4}$ sec. cor. of secs. 16 and 17, on rocky NE. slope, 50 ft. below top of ridge.	
	Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. in diam., 10 ins. in the ground to solid rock and in a large mound of stone, with brass cap marked	
		$\frac{1}{4}$
		S17 S16
		1951
42.50	Top of small rim, 20 ft. high, faces N. and bears N. 70° W. and S. 70° E.	
44.70	Trail and road at N. base of rim, bears N. 70° W. and S. 70° E.; enter rolling land facing NE.; gradually descend.	
50.40	Head of small wash, drains N. 80° E.	
53.00	Low rise, bears E. and W.; descend into draw.	
58.30	Wash, 50 lks. wide, in main draw, 40 ft. deep, drains easterly; draw cuts through dyke about 18 chs. to the W. of line.	
68.40	Wash, 20 lks. wide, 4 ft. deep, in swale, drains S. 70° E.	
73.00	Top of low rise, bears SE. and W.	
80.00	Point for the cor. of secs. 8, 9, 16, and 17, on S. edge of wide swale.	

SUBDIVISION OF T. 24 S., R. 7 E.

Chains

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. in diam., 24 ins. in the ground, with brass cap marked

T24S RTE

S8 S9

S17 S16

1951

Raise a mound of stone, 4 ft. base, 3 ft. high, W. of cor.

Land, rolling and broken.

Soil, sand and clay.

Undergrowth, scattered desert shrubs.

No timber.

From the cor. of secs. 9, 10, 15, and 16.

S. $89^{\circ}45'$ W., bet. secs. 9 and 16.

Ascend steep NE. slope of broken desert land.

1.00 Top of small rise on N. slope; thence over N. slope.

2.50 Draw, 25 ft. deep, drains N. 20° W.

12.80 A main gulch, 40 ft. deep, drains N. 20° E. from the SW.; ascend.

14.10 Small spur, slopes SE., about 3 chs. dist. to end.

19.50 Leave broken land and enter rolling bench land, bears NE. and SW.

28.60 Junction of washes from NW. and S. 80° W., in bottom of draw, near head, drains SE.

40.01 Point for the $\frac{1}{4}$ sec. cor. of secs. 9 and 16, on slight NE. slope of smooth sandy bench.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. in diam., 25 ins. in the ground, with brass cap marked

S9

S16

1951

Raise a small mound of stone around the iron post.

Continue over rolling bench top.

58.50 Top of ascent and rise on bench, bears N. 20° W. and SE.; descend gradual SW. slope.

70.20 Wash, 20 ft. wide, 4 ft. deep, in swale, drains SE.

80.02 The cor. of secs. 8, 9, 16, and 17.

Land, rolling and broken.

Soil, sand and clay.

Undergrowth, scattered desert shrubs.

No timber.

N. $0^{\circ}03'$ W., bet. secs. 8 and 9.

SUBDIVISION OF T. 24 S., R. 7 E.

Chains

Over rolling land across wide swale.

0.90 Small drains, course SE.

3.80 Small drain, course SE.

6.00 Leave wide swale and ascend over W. and SW. slopes.

40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 8 and 9, on slight W. slope.Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. in diam., 25 ins. in the ground, with brass cap marked

S8	S9
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1951

Raise a mound of stone, 4 ft. base, 3 ft. high, W. of cor.

Thence ascend gradually over sandy land facing SW.

64.00 Top of ascent on bench ridge, bears S. 80° W. and SE.; descend N. slope.70.00 Base of descent over steep N. slope; enter NW. slope of sandstone surface rock, bears N. 70° E. and S. 70° W.

79.00 Point for the witness cor. of secs. 4, 5, 8, and 9, on sandstone surface rock, mark a cross (X), over which,

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. in diam., in a mound of stone 5 ft. base, 28 ins. high, with brass cap marked

W C
T24S R7E

S5	S4
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S8	S9
----	----

1951

79.70 Top of vertical S. rim of deep gulch, 20 ft. high, bears NE. and SW.

80.00 True point for the cor. of secs. 4, 5, 8, and 9, falls on abrupt N. face of rim, where it is impracticable to set a cor. monument.

Land, rolling and broken.

Soil, sand, clay, and rock.

Undergrowth, scattered desert shrubs and grasses.

No timber.

From the cor. of secs. 3, 4, 9, and 10.

S. $89^{\circ}44'$ W., bet. secs. 4 and 9.

Over general S. slope of rolling and broken desert land.

0.90 Low rise on S. slope.

2.30 Gully, drains SE.

7.10 The S. point of a spur from the N.

11.70 Branch gully, 75 ft. deep, drains S. 10° W., about 2 chs. dist. to its junction with main gully draining easterly.

SUBDIVISION OF T. 24 S., R. 7 E.

Chains

22.50 Wide gully, 75 ft. deep, drains SE., about 5 chs. dist. to its junction with main gully draining easterly; ascend along broken N. breaks of main gully which is from 5 to 7 chs. S. of line.

40.02 Point for the $\frac{1}{4}$ sec. cor. of secs. 4 and 9, in broken N. breaks of gully.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. in diam., 15 ins. in the ground to solid rock and in a large mound of stone, with brass cap marked

S4

 $\frac{1}{4}$
S9

1951

42.10 Top of rise, bears NE. and SW.; descend.

52.00 Top of left rim of main gulch to the S., bears N. 20° W. and S. 20° E.; continue along N. breaks of gully to the S.

54.00 Bend in bottom of main gulch, drains S. 20° E. from the SW.; at this point is the junction of a deep short boxed gulch from the N.

55.80 Top of left rim of main gully, bears NE. and SW.

68.50 High point, slopes S., and bears NE. 2 chs. dist. to bench.

72.60 Top of left rim on S. point of bench from the N.

76.00 Gulch, 70 ft. deep, drains SE., for about 7 chs. thence easterly; ascend.

77.60 Top of right rim of gulch, vertical ledge, 20 ft. high, bears NW. and S. 30° E.

80.03 The true point for the cor. of secs. 4, 5, 8, and 9, which is N. 0°03' W., 1.00 chs. dist. from the witness cor.

Land, broken sandstone rims and breaks.

Soil, clay, sand, and rock.

Undergrowth, scattered desert shrubs.

No timber.

From the true point for the cor. of secs. 4, 5, 8, and 9, which is N. 0°03' W., 1.00 chs. dist. from the witness cor.

N. 0°08' E., bet. secs. 4 and 5.

Descend over broken breaks of gulch.

2.00 Bottom of gulch, 70 ft. deep, drains NE., for about 3.00 chs. dist., thence S.; ascend abrupt N. breaks of same.

4.00 Top of N. rim of gulch, bears NW. and E.

5.00 Base of abrupt ascent over S. face of rim to the N, bears NW. and SE.

10.20 Point on E. slope of rim, extends SE., about 3 chs. dist. to end, and bears NW., about 50 lks.; thence across cone of rim.

15.40 Top of rim, bears NW. and SE.

20.60 Top of the W. edge of white sandstone outcropping, about 1 ch. in diam., top of which is about 1 ch. W. of rim.

40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 4 and 5.

133

SUBDIVISION OF T. 24 S., R. 17 E.

Chains

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. in diam., 10 ins. in the ground to solid rock and in a large mound of stone, with brass cap marked.

S5 | S4

1951

Thence over rolling bench land.

76.40 Wide swale, drains NW.

80.94 The cor. of secs. 4, 5, 32, and 33, on the N. bdy. of the township, which is marked by an iron post, $2\frac{1}{2}$ ins. in diam., set, marked, and witnessed, as described in the official record.

Land, rolling and broken.

Soil, sand, clay, and rock.

Undergrowth, scattered desert shrubs and blumps of service berry.
No timber.

From the cor. of secs. 5, 6, 31, and 32, on the S. bdy. of the township.

N. $0^{\circ}03'$ W., bet. secs. 31 and 32.

Along broken E. slope of a high bluff to the W.

26.50 Top of ascent on steep E. face of bluff, about 3 chs. E. of top, slopes E.; continue along steep E. breaks of bluff.

40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 31 and 32.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. in diam., 25 ins. in the ground, with brass cap marked.

S31 | S32

1951

Raise a mound of stone, 4 ft. base, $2\frac{1}{2}$ ft. high, W. of cor.

Continue along broken E. slope of base of high bluff to the W.

47.50 Shallow draw near head, drains E.; continue along broken E. slope.

62.50 Shallow draw, drains NE.; ascend abrupt SE. slope.

77.40 Top of rim of bluff, bears NE. and SW.; thence over top of high bench.

80.00 Point for the cor. of secs. 29, 30, 31, and 32.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. in diam., 25 ins. in the ground, with brass cap marked.

S30 | S29

S31 | S32

1951

Raise a mound of stone, 4 ft. base, 3 ft. high, W. of cor.

SUBDIVISION OF T. 24 S., R. 7 E.

Chains

Land, broken E. slopes and breaks of high bluff.
Soil, clay, shale, and rock.
Undergrowth, scattered desert shrubs.
No timber.

From the cor. of secs. 28, 29, 32, and 33.

S. 89°50' W., bet. secs. 29 and 32.

Over rolling desert land, through scattered short undergrowth.

5.00 Large main wash, drains N. 30° E.; continue over rolling desert.

40.00 Point for the sec. cor. of secs. 29 and 32.

Set an iron post, 30 ins. long, 2½ ins. in diam., 25 ins. in the ground, with brass cap marked

S29

S32

1951

Raise a mound of stone, 4 ft. base, 3 ft. high, N. of cor.

Continue over rolling bench land.

60.00 Shallow draw, drains NE.

62.00 Unimproved road, bears N. and S.; ascend 100 ft. over E. breaks of high bluff to the W.

79.00 Top of E. rim of bluff, bears N. and S.; thence over top of bluff.

80.00 The cor. of secs. 29, 30, 31, and 32.

Land, rolling.
Soil, sand and clay.
Undergrowth, scattered desert shrubs.
No timber.

S. 89°50' W., bet. secs. 30 and 31.

Over broken top of bluff.

19.60 Top of E. rim of gulch, drains N.

20.00 Bottom of gulch, drains N.

27.40 Top of E. rim of spur, projects N., about 2.50 chs. dist. to end, thence across top of spur.

28.50 Top of W. rim of spur, bears N. and S.; descend over ledges.

34.70 Top of E. rim of deep main gulch, bears NE. and SW.; descend abruptly over breaks of gulch.

39.25 The cor. of secs. 25, 30, 31, and 36, on the W. bdy. of the township, which is marked by an iron post, 2 ins. in diam., set, marked, and witnessed, as described, in the official records.

Land, rough and broken.
Soil, clay, shale, and rock.
Undergrowth, scattered desert shrubs.
No timber.

SUBDIVISION OF T. 24 S., R. 7 E.

Chains

From the cor. of secs. 29, 30, 31, and 32.

N. 0°03' W., bet. secs. 29 and 30.

Along E. edge of high bluff facing E.

6.00 Top of abrupt descent over NE. point of bluff, rim bears S. 5° E. and W.

12.50 Base of abrupt descent from top of bluff, bears S. 10° E. and W.; thence over broken bench land.

21.50 Shallow draw, drains NE.

38.00 Recross draw, drains NW.

40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 29 and 30.Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. in diam., 25 ins. in the ground, with brass cap marked
$$\begin{array}{c} \frac{1}{4} \\ \hline \text{S30} \quad \text{S29} \end{array}$$

1951

Raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor.

63.75 Enter bottom of large main wash, drains N. 20° E.; thence across wash.

65.00 Leave same, bank bears N. 20° E. and S. 20° W.; thence along W. side of wash.

80.00 Point for the cor. of secs. 19, 20, 29, and 30.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. in diam., 25 ins. in the ground, with brass cap marked
$$\begin{array}{cc} \text{T24S} & \text{R7E} \\ \hline \text{S19} & \text{S20} \\ \hline \text{S30} & \text{S29} \end{array}$$

1951

Raise a mound of stone, 4 ft. base, 3 ft. high, W. of cor.

Land, broken and rolling.

Soil, sand and clay.

Undergrowth, scattered desert shrubs.

No timber

From the cor. of secs. 20, 21, 26, and 29.

S. 60°48' W., bet. secs. 20 and 29.

Over broken bench land, through scattered short undergrowth.

7.40 Small wash, drains NW.

15.60 Enter large main wash, bears NE. and SW.; thence across wash draining NE.

20.00 Leave wash, bears NE. and SW.

25.50 Reenter wash, bears SE. and NW.; thence across wash draining SE.

SUBDIVISION OF T. 24 S., R. 7 E.

Chains

26.80 Leave wash, bears SE. and NW.; thence across broken N. breaks of bench land to the S.

35.00 Broad spur from bench to the S., slopes N.

40.01 Point for the $\frac{1}{4}$ sec. cor. of secs. 20 and 29.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. in diam., 25 ins. in the ground, with brass cap marked

S20

$\frac{1}{4}$
S29

1951

Raise a mound of stone, 3 ft. base, 2 ft. high, N. of cor.

64.60 Top of spur, slopes N.

79.50 Recross same wash as last, drains N. 30° W.

80.01 The cor. of secs. 19, 20, 29, and 30.

Land, broken.

Soil, shallow clay, sand, and rock.

Undergrowth, scattered desert shrubs.

No timber.

S. 89°56' W., bet. secs. 19 and 30.

Over broken blue clay and shale breaks.

23.00 Top of small red cliff, bears E. and S.

34.50 Shallow wash, drains S.

39.15 The cor. of secs. 19, 24, 25, and 30, on the W. bdy. of the township, which is marked by an iron post, 2 ins. in diam., set, marked, and witnessed, as described in the official record.

Land, broken.

Soil, clay, shale, and rock.

Undergrowth, scattered desert shrubs.

No timber.

From the cor. of secs. 19, 20, 29, and 30.

N. 0°03' W., bet. secs. 19 and 20.

Over broken desert land.

1.00 Wash, 50 lks. wide, 4 ft. deep, drains N. from S. 20° E.; thence along bottom of wash.

6.10 Leave same, drains N. 20° W. from S.

21.00 Recross same wash, drains NE. from SW.

23.60 Small wash, drains E.

33.70 Enter rolling top of bench land, bears E. and W.

40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 19 and 20.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. in diam., 25 ins. in the

SUBDIVISION OF T. 24 S., R. 7 E.

Chains

ground, with brass cap marked

S19 | S20

1951

Raise a mound of stone, 4 ft. base, 3 ft. high, W. of cor.

Continue over rolling top of bench.

56.70 Low spur, slopes E.

79.20 Small wash, drains E.

80.00 Point for the cor. of secs. 17, 18, 19, and 20.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. in diam., 25 ins. in the ground, with brass cap marked

T24S R7E

S18 | S17

S19 | S20

1951

Raise a mound of stone, 4 ft. base, 3 ft. high, W. of cor.

Land, rolling.

Soil, clay, sand, and rock.

Undergrowth, scattered desert shrubs and grasses.

No timber.

From the cor. of secs. 16, 17, 20, and 21.

S. $89^{\circ}49'$ W., bet. secs. 17 and 20.

Over rolling and broken desert land.

8.60 Top of ascent on low rise, bears N. 20° E. and S. 20° W.

20.90 Wash, 30 lks. wide, 4 ft. deep, drains S.

28.80 Low rise, bears N. and S.

38.40 Top of E. bank of Willow Spring Wash, bears N. 30° W. and S. 30° E.; thence across wash draining S. 30° E.40.02 True point for the $\frac{1}{4}$ sec. cor. of secs. 17 and 20, falls in bottom of W. edge of Willow Spring Wash, bears S. 30° E. and N. 30° W., where it is impracticable to set a permanent cor. monument.41.34 Point for the witness $\frac{1}{4}$ sec. cor. of secs. 17 and 20, on steep NE. slope.Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. in diam., 25 ins. in the ground, with brass cap marked

S17

W

S20

1951

Raise a mound of stone, 4 ft. base, 3 ft. high, N. of cor.

SUBDIVISION OF T. 24 S., R. 7 E.

Chains

- 43.00 Top of steep ascent on E. edge of butte; thence along N. edge of top of butte.
- 45.20 Top of W. edge of butte; descend W. slope.
- 51.00 W. base of butte; thence over low bottom land sloping N.
- 67.00 SE. edge of pond in reservoir, bears NE. and SW., thence across SW. end of pond.
- 74.40 W. edge of reservoir, bears NE. and SW.
- 80.04 The cor. of secs. 17, 18, 19, and 20.
Land, rolling and broken.
Soil, shale, clay, and sand.
Undergrowth, scattered desert shrubs.
No timber.
-
- S. 89° 56' W., bet. secs. 18 and 19.
Over broken shale and sandstone breaks.
- 12.50 Spur, slopes S.
- 17.10 Red shale spur, slopes S.
- 20.90 Base of ledge, bears NE. and SW.
- 29.70 Top of ledge, bears NE. and SW.
- 39.07 The cor. of secs. 13, 18, 19, and 24, on the W. bdy. of the township, which is marked by an iron post, 2 ins. in diam., set, marked, and witnessed, as described in the official record.
Land, broken shale and sandstone breaks.
Soil, shale, clay, and sand.
Undergrowth, scattered desert shrubs.
No timber.
-
- From the cor. of secs. 17, 18, 19, and 20.
N. 0°03' W., bet. secs. 17 and 18.
Over broken desert land.
- 7.20 Top of red shale rise, bears NE. and SW., 110 ft. above sec. cor.; descend gradually.
- 37.90 Willow Spring Wash, 40 lks. wide, 4 ft. deep, drains N. 60° E., about 10 chs. dist., thence SE.
- 40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 17 and 18.
Set an iron post, 30 ins. long., 2 $\frac{1}{2}$ ins. in diam., 25 ins. in the ground, with brass cap marked
- 4

S18 | S17

1961
- Raise a mound of stone, 4 ft. base, 3 ft. high, W. of cor.
- 49.00 Top of spur, projects SE.
- 75.50 Top of short spur, slopes W.
- 79.60 Point for the witness cor. of secs. 7, 8, 17, and 18, on top of ridge, bears SE. and NW.

SUBDIVISION OF T. 24 S., R. 7 E.

P. 125

Set an iron post, 30 ins. long, 2½ ins. in diam., 25 ins. in the ground, with brass cap marked

W C	
T24S	R7E
S7	S8
S16	S17

1961

Raise a mound of stone, 4 ft. base, 3 ft. high, W. of cor.

40.04 True point for the cor. of secs. 7, 8, 17, and 18, falls in broken N.E. breaks of ridge, where it is impracticable to set a cor.

Land, broken.

Soil, shale, clay, sand, and rock.

Undergrowth, scattered desert shrubs.

No timber.

From the cor. of secs. 8, 9, 16, and 17.

U. 49°50' N., bet. secs. 8 and 17.

Very rolling desert land, through scattered short undergrowth.

40.05 Top of ascent on N. slope of white clay hill.

40.06 Point for the sec. cor. of secs. 8 and 17.

Set an iron post, 30 ins. long, 2½ ins. in diam., 25 ins. in the ground, with brass cap marked

S8
4
S17

1961

Raise a mound of stone, 4 ft. base, 3 ft. high, N. of cor.

40.07 Wash in shallow draw, drains SE.

40.08 The true point for the cor. of secs. 7, 8, 17, and 18, which is N. 67°03' N., 40 lks. dist. from the witness cor.

Land, rolling.

Soil, clay and sand.

Undergrowth, scattered desert shrubs.

No timber.

From the true point for the cor. of secs. 7, 8, 17, and 18, which is N. 67°03' N., 40 lks. dist. from the witness cor.

U. 60°55' N., bet. secs. 7 and 18.

Ascent abrupt N.E. breaks of ridge.

40.09 Top of ridge, bears NW. and SE.; descend broken SW. slope.

40.10 Wash, 20 lks. wide, 4 ft. deep, drains S.

40.11 Wash, 4 lks. wide, 15 ft. deep, drains S., about 2 chs. dist. to its junction with main wash draining southeasterly.

40.12 The cor. of secs. 7, 12, 18, and 18, on the west boundary of the

SUBDIVISION OF T. 24 S., R. 7 E.

Chains

township, which is marked by an iron post, 2 ins. in diam., set, marked, and witnessed, as described in the official record.

Land, broken.

Soil, clay, shale, sand, and rock.

Undergrowth, scattered desert shrubs.

No timber.

From the true point for the cor. of secs. 7, 8, 17, and 18, which is N. 0°03' W., 40 lks. dist. from the witness cor.

N. 0°03' W., bet. secs. 7 and 8.

Descend over broken NE. breaks of ridge, through very scattered undergrowth.

6.00 Base of abrupt descent, 100 ft. below top of ridge to the S.; thence along broken E. slope.

23.20 Flat draw, drains SE., about 50 lks. dist., thence easterly.

39.70 Base of abrupt ascent over general SE. slope.

40.00 Point for the $\frac{1}{4}$ sec. cpr. of secs. 7 and 8, on abrupt SE. slope.

Set an iron post, 50 ins. long, $2\frac{1}{2}$ ins. in diam., 24 ins. in the ground, with brass cap marked

S7 | S8

1951

Raise a mound of stone, 4 ft. base, 3 ft. high, W. of cor.

43.40 Small spur, slopes SE.

63.30 Small spur, slopes E.

64.80 Small spur, slopes E.

71.00 Bottom of cove, in E. face of breaks.

80.00 The true point for the cor. of secs. 5, 6, 7, and 8, falls on top of white sandstone boulder, 5 x 4 x 2 ft., upon which I cut a cross (X) at the true cor. point.

80.10 Point for the witness cor. of secs. 5, 6, 7, and 8, on top of flat ridge, bears NW. and E.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. in diam., 25 ins. in the ground, with brass cap marked

T24S R7E

S6 | S5

S7 | S8

W C

1951

Raise a mound of stone, 4 ft. base, 3 ft. high, W. of cor.

Land, broken shale and sandstone breaks.

Soil, sand, clay, and rock.

Undergrowth, scattered desert shrubs.

No timber.

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SUBDIVISION OF T. 24 S., R. 7 E.

Chains	
	From the true point for the cor. of secs. 4, 5, 8, and 9, which is N. 0°03' W., 1.00 ch. dist. from the witness cor.
	S. 89°47' W., bet. secs. 5 and 8.
	Over broken clay and shale breaks.
1.50	Bottom of deep, narrow box gulch, 50 ft. deep, drains NE. Ascend over
8.40	Bend in deep narrow wash, drains S. 80° E. from SW. ledges.
15.00	Recross wash, drains S. from the N.
23.50	Mouth of gulch, drains NE. from the SW.; ascend abruptly.
30.00	Top of spur, projects N. 60° E., about 5 chs. dist. to end.
40.03	Point for the $\frac{1}{4}$ sec. cor. of secs. 5 and 8, on shelf of ledge, mark a cross (X), over which.
	Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. in diam., in a mound of stone, 40 ft. base, 28 ins. high, with brass cap marked
	S5
	$\frac{1}{4}$
	S8
	1951
68.30	Base of abrupt ascent over steep E. slope, bears N. and S.
80.05	The true point for the cor. of secs. 5, 6, 7, and 8, which is S. 0°03' E., 10 lks. dist. from the witness cor.
	Land, broken clay, shale, and sandstone breaks.
	Soil, blue clay and shale.
	Undergrowth, scattered desert shrubs.
	No timber.
	From the true point for the cor. of secs. 5, 6, 7, and 8, which is S. 0°03' E., 10 lks. dist. from the witness cor.
	S. 89°55' W., bet. secs. 6 and 7.
	Over general E. slope of shale and clay breaks.
20.70	Small wash, drains SW.
31.00	Small wash, drains N.
38.94	The cor. of secs. 4, 6, 7, and 12, on the W. bdy. of the township, which is marked by an iron post, 2 ins. in diam., set, marked, and witnessed, as described in the official record.
	Land, broken shale and clay breaks.
	Soil, clay, shale, and sand.
	Undergrowth, scattered desert shrubs.
	No timber.
	From the true point for the cor. of secs. 5, 6, 7, and 8, which is N. 0°03' W., 10 lks. dist., from the witness cor.
	N. 0°11' E., bet. secs. 5 and 6.
	Over flat top of ridge.
0.10	The witness cor. of secs. 5, 6, 7, and 8.

SUBDIVISION OF T. 24 S., R. 7 E.

Chains	
1.20	Top of the N. rim of ridge, bears NW. and E.; descend abrupt NE. slope
40.00	True point for the $\frac{1}{4}$ sec. cor. of secs. 5 and 6, falls in bottom of draw, drains E., where it is impracticable to set a cor. monument.
41.80	Rim, bears NW. and SE.
42.00	Point for the witness $\frac{1}{4}$ sec. cor. of secs. 5 and 6, on top of rocky bench. Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. in diam., 6 ins. in the ground to solid rock and in a mound of stone, 5 ft. base, 22 ins. high, with brass cap marked <div style="text-align: center;"> $\frac{1}{4}$ ↓ S6 S5 W C 1951 </div>
52.00	Top of bench, bears E. and W.; descend broken N. slope.
67.90	Head of ravine, 20 ft. deep, drains N. 30° E.; thence over general rocky NE. slope.
80.00	Head of small ravine, 10 ft. deep, drains NE.
81.21	The cor. of secs. 5, 6, 31, and 32, on the N. bdy. of the township, which is marked by an iron post, $2\frac{1}{2}$ ins. in diam., set, marked, and witnessed, as described in the official record. Land, broken shale and clay breaks. Soil, clay, shale, and sand. Undergrowth, scattered desert shrubs. No timber.

GENERAL DESCRIPTION OF T. 24 S., R. 7 E.

The land within the boundaries of T. 24 S., R. 7 E., Salt Lake Meridian, Utah, consists in general of a rolling and broken desert, which has a general easterly exposure and drainage into the Muddy River. The Muddy River which is the only water in the township, is a stream of alkali water about 100 lks. wide, and 6 inches deep, which flows in a southerly direction through sections , 1, 12, and 13. Willow Spring Wash and its tributaries flows southeast and easterly through the south portion of the township. This wash is dry during most of the year.

The township in general is broken by blue clay, shale, and sandstone rims and breaks and in most places it is void of vegetation. On the bottom lands of the wide draws and washes, and on the slopes and tops of the bench lands, a scattered short growth of shadscale, sagebrush, desert shrubs, and grasses is found, which affords fair grazing for stock during the winter months of the year

Dim unimproved roads were found throughout most parts of the township and most parts can be reached by motor vehicles.

There are no permanent settlers living in the township and it is suitable mostly as a winter grazing range for stock under the supervision of the Bureau of Land Management. No timber of any value was found. No indications of mineral were found, however gas and oil leasing is fairly active throughout the area.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

CAPACITY

Principal Assistant.

Chairman

Chairman

Flagman

Flagman

Cornerman

148
144

CERTIFICATE OF CADASTRAL ENGINEER

I, Andrew Nelson, ~~HEREBY~~ CERTIFY upon honor that, in pursuance of special instructions bearing date of the 22nd day of December, 1950, I have surveyed the south boundary and subdivision of, T. 24 S., R. 7 E.,

of the Salt Lake Meridian, in the State of Utah, which are represented in the foregoing field notes as having been executed by me and under my direction; and that said survey has been made in strict conformity with said instructions, the Manual of Instructions for the Survey of the Public Lands of the United States, and in the specific manner described in the foregoing field notes.

April 11, 1953

Salt Lake City, Utah.

Andrew Nelson

Cadastral Engineer

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT,

Washington, D. C., MAY 6 1954, 19

The foregoing field notes of the survey of the south boundary and subdivision of,
T. 24 S., R. 7 E., Salt Lake Meridian, Utah

executed by Andrew Nelson, Cadastral Engineer

having been critically examined and found correct, are hereby approved.

James B. Clement

Assistant Chief, Division of Cadastral Engineering.

CERTIFICATE OF TRANSCRIPT

I CERTIFY that the foregoing transcript of the field notes of the above-described surveys in
, is a true copy of the original field notes.

Chief, Division of Cadastral Engineering.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

Original

FIELD NOTES

of

A Portion of the Subdivision

of

Township 24 South, Range 8 East

Of the Salt Lake Meridian,

in the State of Utah

EXECUTED BY

Phil D. Smith, Cartographic Survey Aid

Under special instructions dated May 9, 1955, which provided

for the surveys included under Group No. 365, approved May 19, 1955

and assignment instructions dated July 15, 1955.

Survey commenced August 18, 1955.

Survey completed August 18, 1955.

INDEX DIAGRAM

Township 24 S., Range 8 E.

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					2
31	32	33	34	35	1 36

Portion of the Subdivision, T. 24 S., R. 8 E.

Chains

The west boundary of T. 24 S., R. 8 E., was surveyed by J. C. Clark in 1932. The south boundary was surveyed concurrently under this same group, the field notes of which are found in the survey of T. 25 S., R. 8 E. The east boundary was surveyed concurrently with this survey, the field notes of which are found in the survey of T. 24 S., R. 9 E., Group 364.

The following field notes are those of a portion of the subdivision of T. 24 S., R. 8 E.

The directions of all lines herein reported are determined by deflecting from meridians established by observations upon Polaris and the sun, throughout the survey.

Corners on latitudinal lines were set on the true latitudinal curve. Lines connecting previously established corners were run by the random and true method, but for the simplification of the record the random lines are omitted from the field notes.

The measurements were made with steel tapes, eight chains in length, these tapes were graduated every link for the first chain, and thereafter at intervals of ten links. The tapes were tested by comparison with a standard tape, one chain in length, and found to be correct. The measurements were made on the slope, the vertical angle of each interval determined by the use of clinometers and the slope distances properly reduced to horizontal equivalents, which appear in these field notes. All lines of this survey were run by the direct method where the lines were accessible; the inaccessible lines were run by traverse or triangulation methods. The details of such traverses and triangulations have been thoroughly verified and in order to simplify the record, the diagrams and reductions are omitted from these field notes.

The geographic value for the southeast corner of the township is latitude $38^{\circ} 40' 21''$ N., longitude $110^{\circ} 58' 26''$ W., as computed from U. S. G. S. Triangulation Station "Cat".

Portion of the Subdivision, T. 24 S., R. 8 E.

From the cor. of secs. 1, 2, 35, and 36, on the S. bdy. of the Tp., set as described in the survey of T. 25 S., R. 8 E.

N. $0^{\circ} 01'$ W., bet. secs. 35 and 36.

4.00 Wash, course SW., asc. 100 ft. along broken SW. slope.

16.90 Spur, projects NW. from the E., desc. abruptly 80 ft. over broken shale, along NE. slope.

19.70 Base of abrupt slope, bears NW. and S. 70° E., desc. 40 ft. along NE. slope.

26.40 Wash, in bottom of Redo Canyon, course N. 80° W. about 20 chs. to junction with the Muddy River. Asc. 30 ft. over general S. slope.

40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 35 and 36.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 18 ins. in the ground, and in a mound of stone, 3 ft. base, to top of post, with brass cap marked

$\frac{1}{4}$

S35|S36

1955

Subdivision, T. 24 S., R. 8 E.

Chains	
	From this cor., U. S. L. M. No 281, marked by an iron post, 2 ins. diam., and marked on cap USLM 281, 1955, bears N. 40° 04' E., 13.05 chs. dist.
	Asc. 30 ft. over S. slope.
55.00	Road, to the Muddy River, bears E. and W., point of beginning of traverse, topography and elevations scaled from U. S. G. S. topographic maps.
	Asc. 760 ft. over broken shale and sandstone ledges, S. slope.
72.50	Spur, projecting from Tomsich Butte, slopes sharply S. 70° W., desc. 220 ft. over broken sandstone ledges, along NW. slope.
80.00	True point for cor. of secs. 25, 26, 35, and 36, falls on face of broken ledge. Therefore, at a point East 70 lks. dist.,
	Set an iron post, 30 ins. long, 2½ ins. diam., over cross (X) on solid rock, and in a mound of stone, 4½ ft. base, to top of post, with brass cap marked
	<div style="text-align: center;">T24S R8E W <u>S26</u> S25 C <u>S35</u> S36 1955</div>
	Cor. sets on ledge 20 ft. wide, about 20 ft. above the true point.
	Land, broken slopes of Tomsich Butte, draining westerly into the Muddy River.
	Soil, sandy clay, on shale.
	No timber.
	From the true point for the cor. of secs. 25, 30, 31, and 36, from which the witness cor. bears N. 2.50 chs. dist.
	West, bet. secs. 25 and 36.
	Over a series of spurs and washes, putting southerly into Reds Canyon, desc. 120 ft. along very broken S. slope.
39.80	Road, from Tan Seep through Reds Canyon to Tomsich and the Muddy River, bears NW. and SE.
40.01	Point for ¼ sec. cor. of secs. 25 and 36.
	Set an iron post, 30 ins. long, 2½ ins. diam., 10 ins. in the ground, and in a mound of stone, 4 ft. base, to top of post, with brass cap marked
	<div style="text-align: center;">¼ <u>S25</u> ¾ <u>S36</u> 1955</div>
	Point for beginning of traverse, topography scaled from U. S. G. S. topographic map.
	Asc. 320 ft. over broken shale and sandstone ledges, along abrupt NE. slope onto Tomsich Butte.
55.80	Rim, of Tomsich Butte, bears NW. and SE., continue over almost level top of Tomsich Butte.

Subdivision, T. 24 S., R. 8 E.

Chains

- 72.00 Rim, of Tomsich Butte, bears N. and SW., desc. 440 ft. over cliff about 375 ft. high, and broken shale ledges, along NW. slope.
- 79.32 Witness cor. of secs. 25, 26, 35, and 36.
Desc. 20 ft. over ledges, along NW. slope.
- 80.02 True point for the cor. of secs. 25, 26, 35, and 36.

General Description

The major portion of sec. 36 is red shale formation, except for the NW. portion, which forms Tomsich Butte, and is composed of tan sandstone.

The section has very little vegetation, or grass, and no water except for Secret Springs, which lies near the N. bdy. in the NW. portion of the section.

A road enters in the N. half mile of the E. bdy., and runs westerly across the sec. to leave in the N. half mile of the W. bdy.

Another road enters the sec. near the $\frac{1}{4}$ sec. cor. bearing southerly to a junction with the road from the E.

Reds Canyon enters the sec. in the N. half mile of the E. bdy., coursing SW. to leave in the S. half mile of the W. bdy., to drain into the Muddy River about a quarter of a mile dist.

An active Uranium Mine is located on the S. side of Tomsich Butte.

The main drainage of the sec. is into the Muddy River.

CERTIFICATE OF CADASTRAL ENGINEER

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I, Phil E. Smith, Cartographic Survey Aid, HEREBY CERTIFY upon honor that, in
pursuance of special instructions bearing date of the 9 th day of May, 1958,

I have surveyed a portion of the subdivision in T. 24 S., R. 3 E..

of the 11th 30th Meridian, in the State of Utah, which are
represented in the foregoing field notes as having been executed by me and under my direction; and that
said survey has been made in strict conformity with said instructions, the Manual of Instructions for the
Survey of the Public Lands of the United States, and in the specific manner described in the foregoing
field notes.

April 22, 1958

Phil E. Smith, Utah

Phil E. Smith

Cartographic Survey Aid

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT,

Washington, D. C., JUN 27 1958, 1958

The foregoing field notes of the survey of a portion of the subdivision in T. 24

executed by Phil E. Smith,

having been critically examined and found correct, are hereby approved.

Earl G. Harrington
Chief, Division of Cadastral Engineering
Cadastral Engineering Staff Officer

CERTIFICATE OF TRANSCRIPT

I CERTIFY that the foregoing transcript of the field notes of the above-described surveys in

is a true copy of the original field notes.

Chief, Division of Cadastral Engineering

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

Original

FIELD NOTES

of the

Survey of a Portion of the West Boundary

and a

Portion of the Subdivision

of

Township 24 South, Range 9 East

Of the Salt Lake Meridian,

In the State of Utah

EXECUTED BY

Andrew Nelson, Cartographer (Cadastral)

and

Phil D. Smith, Cartographic Survey Aid

Under special instructions dated April 1, 1955, which provided

for the surveys included under Group No. 364, approved April 25, 1955

and assignment instructions dated June 23, 1955

Survey commenced July 7, 1955

Survey completed August 15, 1955

INDEX DIAGRAM

Township 24 South, Range 9 East

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Township 24 South, Range 9 East

Chains

The east boundary of this township was surveyed as the west boundary of T. 24 S., R. 10 E. The south boundary was surveyed as the north boundary of T. 25 S., R. 9 E. The north boundary was surveyed as the south boundaries of Ts. 23 S., Rs. 8 $\frac{1}{2}$ and 9 E. That portion of the west boundary north of the corner of Ts. 23 and 24 S., R. 8 E., was surveyed as the east boundary of T. 23 S., R. 8 E. All these boundaries were surveyed concurrently with this township.

The following field notes are those of the survey of a portion of the west boundary and a portion of the subdivision of T. 24 S., R. 9 E., deemed sufficient in extent to facilitate development of the natural resources and mark the boundaries of those sections that normally are considered State school sections.

The survey was executed with Buff and Buff solar transit, No. 23831, and Gurley solar transit, No. 541331, both constructed in accordance with the standard specifications of the Bureau of Land Management. The instruments were in good condition, having been placed in proper adjustment prior to the beginning of the field work. The instruments were tested and checked frequently during the progress of the survey.

The directions of all lines herein reported are determined by deflecting from meridians established by observations upon Polaris and the sun throughout the survey.

Corners on latitudinal lines were set on the true latitudinal curve. Lines connecting previously established corners were run by random and true method, but for simplification of the record, the random lines are omitted from the field notes.

The measurements were made with steel tapes, eight chains in length, graduated every link for the first chain, and thereafter at intervals of ten links. The tapes were tested by comparison with a standard steel tape, one chain in length, and found to be correct. The measurements were made on the slope, the vertical angle of each interval determined by the use of clinometers, and the slope distances properly reduced to horizontal equivalents, which appear in these notes. All lines of this survey were run by direct methods where the lines are accessible; the inaccessible lines were run by traverse or triangulation methods. The details of such traverses or triangulations have been thoroughly verified and in order to simplify the record, the diagrams and reductions are omitted from these field notes.

The geographic value for the southeast corner of the township is, latitude 38° 40' 21" N., and longitude 110° 51' 47" W., as computed from U.S.G.S. triangulation station "McKay", located in section 6, T. 24 S., R. 10 E.

The magnetic declination was read at a number of stations throughout the township, and the average of the several readings was found to be 16° 00' E.

Survey of a Portion of the West Boundary of T. 24 S., R. 9 E.

Beginning at the cor. of Ts. 24 and 25 S., Rs. 8 and 9 E., mkd. by an iron post, 2 $\frac{1}{2}$ ins. diam., set, mkd. and witnessed as described in the survey of T. 25 S., R. 9 E.

North, bet. secs. 31 and 36.

Over broken red shale land, draining westerly; desc. 50 ft.

Survey of a Portion of the West Boundary of T. 24 S., R. 9 E.

Chains

- 1.70 Wash, course SW.; asc. 60 ft. over S. slope.
- 4.20 Spur, slopes SW.; desc. 60 ft. along NW. slope.
- 10.40 Wash, course N.; asc. 40 ft. along series of low spurs and small drains putting westerly.
- 12.60 Spur, slopes SW.; desc. 140 ft. along broken NW. slope.
- 39.00 Drain, course NW.
- 40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 31 and 36.
- \uparrow
 S 31 | S 36
 1955
- Desc. 60 ft. along NW. slope.
- 49.60 Wash, course NW.; asc. 20 ft.
- 50.20 Road, bladed gravel, bears E. and W.; desc. 60 ft. over N. slope.
- 50.90 Wash, course N.; asc. 60 ft. over broken S. slope.
- 51.80 Spur, slopes W.; desc. 100 ft. over abrupt N. slope, into Reds Canyon.
- 60.20 Wash, in bottom of Reds Canyon, course S. 70° W.; asc. 210 ft. along broken SE. slope.
- 71.30 Rim, bears N. 80° E. and S. 80° W.; asc. 40 ft. along broken SE. slope.
- 80.00 True point for the cor. of secs. 25, 30, 31 and 36, falls on abrupt, broken slope of spur, unsafe place for corner.
- Land, very broken breaks of Reds Canyon.
 Soil, shallow red clay with shale outcroppings.
 No timber.

North, bet. secs. 25 and 30.

Asc. 10 ft. over very broken red shale land.

- 2.60 Point selected for the witness cor. of secs. 25, 30, 31 and 36.
- Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 6 ins. in the ground, and in a mound of stone, $3\frac{1}{2}$ ft. base, to top of post, with brass cap mkd.

T24S
 R9E R9E
 S25 | S30
 S36 | S31
 \downarrow
 M C
 1955

Over almost level top of spur.

Survey of a Portion of the West Boundary of T. 24 S., R. 9 E.

Chains

- 5.10 Rim of Reds Canyon, bears NW. and E.; desc. 170 ft. over abrupt N. slope into Reds Canyon.
- 10.00 Wash, at bend, in bottom of Reds Canyon, course SE. from NE.; asc. 190 ft. over series of broken shale ledges, along SE. slope.
- 17.10 Spur, projects NE.; desc. abruptly 170 ft. over broken shale ledges on N. slope.
- 18.90 Side wash, course S. 70° E. about 4 chs. to junction with wash in bottom of Reds Canyon; asc. 160 ft. along very broken SW. slope.
- 32.00 Spur, projects SE.; desc. 20 ft. along broken NE. slope.
- 36.00 Point selected for the witness $\frac{1}{4}$ sec. cor. of secs. 25 and 30.
- Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 10 ins. in the ground, and in a mound of stone, $3\frac{1}{2}$ ft. base, to top of post, with brass cap mkd.

$\frac{1}{4}$
 W C
 S. 25 \uparrow S 30
 1955

- Over series of broken almost inaccessible spurs and washes putting easterly into Reds Canyon.
- 40.00 True point for the $\frac{1}{4}$ sec. cor. of secs. 25 and 30, falls on inaccessible breaks of Reds Canyon.
- 50.20 Top of small knoll, 80 ft. above witness cor. Leave breaks of Reds Canyon; desc. 60 ft. over series of drains and low spurs putting easterly.
- 80.00 True point for the cor. of secs. 19, 24, 25 and 30, falls on Reds Canyon road, bears N. 20° E. and W. 20° W.
- Land, red shale benchland.
 Soil, shallow red clay on shale.
 No timber.

North, bet. secs. 19 and 24.

Over red shale benchland, steep talus slopes, and high sandstone ledges.

- 2.00 Point selected for the witness cor. of secs. 19, 24, 25 and 30.
- Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 20 ins. in the ground, and in a mound of stone, 4 ft. base, to top of post, with brass cap mkd.

T24S
 R8E R9E
 S24 | S19
 S25 | S30
 W C
 1955

Over series of drains and low spurs, putting SE.; asc. 100 ft.

Survey of a Portion of the West Boundary of T. 24 S., R. 9 E.

Chains

- 15.60 Base of talus slope, bears N. 20° E. and S. 20° W.; asc. 1140 ft. along SE. slope, over talus slope and high sandstone cliff.
- 39.80 Rim of cliff about 700 ft. high, bears NE. and S. 30° W.
- 40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 19 and 24.
- Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., over X on solid sandstone, and in a mound of stone, 4 ft. base, to top of post, with brass cap mkd.
- $\frac{1}{4}$
S 24 | S 19
1955
- Desc. 80 ft. along broken sandstone NW. slope.
- 48.80 Ravine, drains sharply to the W., and heads about 2 chs. to E.; asc. 260 ft. along broken sandstone ledges on SW. slope.
- 63.00 Rim of cliff about 100 ft. high, bears N. 50° E. and S. 50° W.; desc. 20 ft. over almost level top of mesa.
- 80.00 Point for the cor. of secs. 13, 18, 19 and 24.
- Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., 15 ins. in the ground, and in a mound of stone, 4 ft. base, to top of post, with brass cap mkd.
- . T24S
R8E R9E
S13 | S18
S24 | S19
. 1955 .
- Land, slightly rolling mesa top.
Soil, shallow sand on sandstone.
Timber, scattered to medium growth of juniper and pinon.

North, bet. secs. 13 and 18.

Over slightly rolling top of mesa, through scattered to medium growth of juniper and pinon.

- 6.20 Rim, bears NE. and W.; desc. 150 ft. along broken sandstone on NW. slope.
- 16.30 Wash, course W.; asc. 130 ft. over broken sandstone on SW. slope.
- 20.10 Spur, slopes W.; desc. 160 ft. over broken sandstone on N. slope.
- 27.30 Rim, bears N. 70° W. and SE.; desc. 830 ft. over cliff about 600 ft. high, and along abrupt talus NE. slope.
- 40.00 True point for the $\frac{1}{4}$ sec. cor. of secs. 13 and 18, falls on steep N. slope.
- 44.90 Wash, in bottom of cove, course E.; road in wash, bears E. and W.
- 45.00 Point selected for the witness $\frac{1}{4}$ sec. cor. of secs. 13 and 18.
- Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., 18 ins. in the ground, and in a mound of stone, 4 ft. base, to top of post, with brass cap mkd.

Survey of a Portion of the West Boundary of T. 24 S., R. 9 E.

Chains

$\frac{1}{4}$
 S 13 \downarrow S 18
 W C
 1955

Asc. 780 ft. over abrupt talus slope and cliff about 600 ft. high, over S. slope.

63.00 Rim of mesa, bears N. 10° W. and E.; asc. 10 ft. over S. slope.

68.10 Spur, slopes S. 60° E.; desc. 20 ft. over slightly rolling top of mesa.

76.00 Drain, course E.; asc. 20 ft. over S. slope.

80.00 Point for the cor. of secs. 7, 12, 13 and 18.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 20 ins. in the ground, with brass cap mkd.

T24S
 R8E R9E
S12 S7
S13 S18
 1955

Deposit a sandstone, 10 ins. long, 10 ins. wide, $1\frac{1}{2}$ ins. thick, mkd. X, at base of post.

Land, slightly rolling mesa top.
 Soil, shallow sand with sandstone outcroppings.
 Timber, scattered juniper and pinon.

North, bet. secs. 7 and 12.

Over almost level top of mesa.

9.50 Begin descent along broken E. slope; desc. 60 ft.

24.30 Wash, course NE.; asc. 30 ft.

28.40 Spur, slopes N. 70° E.; desc. 250 ft. over abrupt broken N. slope.

38.70 Wash, course N. 80° E.; asc. 80 ft. along broken SE. slope.

40.00 True point for the $\frac{1}{4}$ sec. cor. of secs. 7 and 12, falls on abrupt broken sandstone S. slope, unsafe place for cor.

Asc. 20 ft. over broken sandstone S. slope.

41.50 Spur, slopes E.

42.00 Point selected for the witness $\frac{1}{4}$ sec. cor. of secs. 7 and 12.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., over X on solid sandstone, and in a mound of stone, 4 ft. base, to top of post, with brass cap mkd.

$\frac{1}{4}$
 S 12 \downarrow S 7
 W C
 1955

Survey of a Portion of the West Boundary of T. 24 S., R. 9 E.

Chains	Desc. 120 ft. over abrupt broken sandstone ledges on N. slope.
50.20	Wash, course E.; asc. 60 ft. along broken sandstone SE. slope.
52.10	Spur, slopes E.; desc. 60 ft. along broken NE. slope.
54.70	Wash, course SE. about 5 chs. to junction with wash from W.; asc. 640 ft. along abrupt broken SW. slope.
64.30	Rim of sandstone ledge about 500 ft. high, bears S. 80° E. and S. 60° W.; asc. 660 ft. over broken sandstone ledges on S. slope, to witness corner.
80.00	True point for the cor. of secs. 1, 6, 7 and 12, falls on face of ledge, unable to occupy. Land, broken sandstone ledges, bearing easterly and westerly. Soil, shallow sand on sandstone. Timber, scattered scrub juniper.
	North, bet. secs. 1 and 6.
4.50	Point selected for the witness cor. of secs. 1, 6, 7 and 12. Set an iron post, 30 ins. long, 2½ ins. diam., 6 ins. in the ground to bedrock, and in a mound of stone, 4 ft. base, to top of post, with brass cap mkd. <div style="text-align: center;"> T24S R8E R9E S1 S6 S12 S7 W C 1955 </div>
	Corner is located 660 ft. above rim at 64.30 on previous mile.
	Asc. 40 ft. over broken sandstone SE. slope.
5.03	Point from which U.S.G.S. triangulation station "Cat", bears N. 67° 27' W., 23.06 chs. dist.; spur, slopes E.; desc. 80 ft. along broken sandstone NE. slope.
10.50	Wash, course NW.; asc. 40 ft. along broken sandstone SW. slope.
14.50	Spur, slopes W.; desc. 40 ft. along broken sandstone NW. slope.
22.30	Wash, course S. 80° W. about 5 chs. to junction with wash from SE.; asc. 130 ft. along broken sandstone SW. slope.
26.70	Spur, slopes W.; desc. 180 ft. along broken sandstone NW. slope.
32.90	Wash, course S. 80° W.; asc. 210 ft. over broken sandstone S. slope.
40.00	True point for the ¼ sec. cor. of secs. 1 and 6, falls on abrupt S. slope of spur, unsafe place for cor. Asc. 20 ft. along abrupt sandstone S. slope.
41.00	Point selected for the witness ¼ sec. cor. of secs. 1 and 6. Set an iron post, 30 ins. long, 1 in. diam., drilled 10 ins. in solid sandstone, and in a mound of stone, 3 ft. base, to top of post, with brass cap mkd.

Survey of a Portion of the West Boundary of T. 24 S., R. 9 E.

Chains

$\frac{1}{4}$
 S 1 ↓ S 6
 W C
 1955

Witness cor. is located on top of spur projecting W.; desc. 360 ft. along broken sandstone NW. slope.

64.90 Wash, course NW.; asc. 260 ft. along broken sandstone SW. slope.

75.30 Spur, slopes W.; desc. 10 ft. along NW. slope.

77.00 Point selected for the witness cor. of Ts. 23 and 24 S., R. 8 E.

Set an iron post, 30 ins. long, 2½ ins. diam., 10 ins. in the ground, and in a mound of stone, 4 ft. base, to top of post, with brass cap mkd.

W C
 T23S ↑
 R8E
S36 T24S
 S1 S6
 T24S R9E
 R8E
 1955

Desc. 130 ft. along abrupt broken NW. slope.

80.00 True point for the cor. of Ts. 23 and 24 S., R. 8 E., falls on abrupt broken NW. slope, unsafe place for cor.

Land, rough broken ledges and rims.
 Soil, rocky with some shallow sand.
 Timber, scattered juniper and pinon.

Survey of a Portion of the Subdivision of T. 24 S., R. 9 E.

From the cor. of secs. 1, 2, 35 and 36, on the S. bdy. of the township, set as described in the survey of T. 25 S., R. 9 E.

N. 0° 01' W., bet. secs. 35 and 36.

Asc. 10 ft. over bottom of Cistern Canyon, along gentle W. slope.

10.30 Enter wash in bottom of Cistern Canyon, course S. 30° W. from N.; continue along bottom of wash.

13.90 Leave wash, course S. from N. 30° W.; asc. 10 ft.

24.40 Recross wash, course S. 20° W. at junction with side wash from N. 50° W.; asc. 40 ft. along gentle SE. slope.

37.10 Wash, course S. 80° E., 7 chs. to junction with main wash; asc. 40 ft. over S. slope.

40.00 Point for the ¼ sec. cor. of secs. 35 and 36.

Set an iron post, 36 ins. long, 1 in. diam., 15 ins. in the ground, and in a mound of stone, 4 ft. base, to top of post, with brass cap mkd.

Survey of a Portion of the Subdivision of T. 24 S., R. 9 E.

Chains

$$\frac{1}{4}$$

S 35		S 36
1955		

Asc. 20 ft. over S. slope.

41.40 Spur, slopes E.; desc. 50 ft. over N. slope.

45.60 Recross main wash, course S. 70° E.; asc. 60 ft. over S. slope.

51.90 Spur, slopes SW.; desc. 30 ft. along broken W. slope.

54.50 Recross wash, course S. 30° W. from NE.

68.70 Recross wash, course S. 70° E. from NW.; asc. 60 ft. along SW. slope.

80.00 Point for the cor. of secs. 25, 26, 35 and 36.

Set an iron post, 30 ins. long, 2½ ins. diam., 8 ins. in the ground, and in a mound of stone, 4 ft. base, to top of post, with brass cap mkd.

$$\begin{array}{r} \text{T24S R9E} \\ \hline \text{S26} | \text{S25} \\ \hline \text{S35} | \text{S36} \\ \hline 1955 \end{array}$$

Land, rolling and broken head of Cistern Canyon.
Soil, sandy clay on shale.
Timber, thinly scattered scrub juniper.

From the cor. of secs. 25, 30, 31 and 36, on the E. bdy. of the township, 2½ in. iron post, set, mkd. and witnessed as described in the survey of T. 24 S., R. 10 E.

N. 89° 54' W., bet. secs. 25 and 36.

Over nearly level land, covered with medium growth of grass;
desc. 20 ft.

19.50 Road, unimproved, bears N. and S.; continue over level land.

30.40 Top of descent; desc. 40 ft. over W. slope.

34.97 Point for the ¼ sec. cor. of secs. 25 and 36.

Set an iron post, 30 ins. long, 2½ ins. diam., 24 ins. in the ground, and in a mound of stone, 3 ft. base, to top of post, with brass cap mkd.

$$\frac{1}{4} \begin{array}{r} \text{S 25} \\ \hline \text{S 36} \\ \hline 1955 \end{array}$$

Desc. 20 ft. over W. slope.

41.20 Wash, course S. 20° E.; asc. 90 ft. over E. slope.

67.30 Top of ascent, slopes S.; desc. 50 ft. over W. slope.

74.74 The cor. of secs. 25, 26, 35 and 36.

Survey of a Portion of the Subdivision of T. 24 S., R. 9 E.

Chains

Land, rolling.
Soil, sandy clay and gravelly.
Timber, scattered juniper and pinon on part of mile.

From the cor. of secs. 3, 4, 33 and 34, on the S. bdy. of the township, $2\frac{1}{2}$ in. iron post, set, mkd. and witnessed as described in the survey of T. 25 S., R. 9 E.

N. $0^{\circ} 02'$ W., bet. secs. 33 and 34.

Desc. 110 ft. along N. slope.

14.90 Wash, course W.; asc. 250 ft. along broken SW. slope.

29.80 Spur, projects W.; desc. 170 ft. over broken N. slope.

37.30 Wash, course W.; asc. 10 ft. over S. slope.

39.40 Point selected for the witness $\frac{1}{4}$ sec. cor. of secs. 33 and 34.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 4 ins. in the ground to bedrock, and in a mound of stone, 4 ft. base, to top of post, with brass cap mkd.

$\frac{1}{4}$
 W C
 S 33 \uparrow S 34
 1955

Desc. 10 ft. along abrupt broken NW. slope.

40.00 True point for the $\frac{1}{4}$ sec. cor. of secs. 33 and 34, falls on abrupt broken slope, unsafe place for corner.

Desc. 10 ft. along broken NW. slope.

40.90 Drain, course SW.; asc. 80 ft. over S. slope.

43.00 Rim of mesa, bears S. 80° E. and W.; asc. 20 ft. over top of mesa.

54.00 Top of ascent; desc. 50 ft. along NW. slope.

66.10 Wash, course W.; desc. 30 ft. along W. slope.

69.90 Rim of mesa, bears N. 30° W. and S. 30° E.; desc. 210 ft. along NE. slope.

78.50 Point selected for the witness cor. of secs. 27, 28, 33 and 34.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 8 ins. in the ground, and in a mound of stone, $3\frac{1}{2}$ ft. base, to top of post, with brass cap mkd.

T24S R9E
 W C
 $\frac{S28}{S33}$ $\frac{S27}{S34}$
 1955

Desc. 10 ft. over N. slope.

80.00 True point for the cor. of secs. 27, 28, 33 and 34, falls in wash, course NW.

Survey of a Portion of the Subdivision of T. 24 S., R. 9 E.

Chains

Land, broken mesa, draining westerly.
Soil, shallow sandy clay on shale.
Timber, scattered scrub juniper.

N. $0^{\circ} 02'$ W., bet. secs. 27 and 28.

Asc. 200 ft. over abrupt S. slope.

6.10 Rim of mesa, bears E. and W.; asc. 10 ft. along gentle W. slope.

15.30 Drain, course W.; asc. 50 ft. along W. slope.

26.30 Wash, in bottom of gully, about .2 chs. wide, 20 ft. deep, course S. 80° W.; asc. 10 ft. over S. slope, from N. bank of gully.

32.20 Top of ascent; desc. 30 ft. over N. slope.

37.50 Rim of mesa, bears NE. and SW.; desc. 20 ft. along abrupt NW. slope.

40.00 True point for the $\frac{1}{4}$ sec. cor. of secs. 27 and 28, falls on abrupt shale slope, unsafe place for corner.

Desc. 10 ft. along abrupt NW. slope.

40.90 Point selected for the witness $\frac{1}{4}$ sec. cor. of secs. 27 and 28.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 15 ins. in the ground, and in a mound of stone, 3 ft. base, to top of post, with brass cap mkd.

$\frac{1}{4}$
 S 28 \downarrow S 27
 W C
 1955

Desc. 80 ft. along NW. slope.

48.70 Wash, course SW.; asc. 190 ft. along SE. slope.

53.50 Rim, bears NE. and SW.; asc. 20 ft. along SW. slope.

64.20 Top of ascent; desc. 20 ft. along NW. slope.

80.00 Point for the cor. of secs. 21, 22, 27 and 28.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 4 ins. in the ground to bedrock, and in a mound of stone, 4 ft. base, to top of post, with brass cap mkd.

T24S R9E
S21 | S22
S28 | S27
 1955

Land, broken mesa, draining westerly.
Soil, shallow sandy clay on shale.
Timber, scattered scrub juniper.

N. $0^{\circ} 02'$ W., bet. secs. 21 and 22.

Desc. 10 ft. over nearly level top of mesa, through scattered scrub juniper.

Survey of a Portion of the Subdivision of T. 24 S., R. 9 E.

Chains

31.80 Rim of mesa, bears NW. and SE.; desc. 180 ft. along NE. slope.

40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 21 and 22.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 16 ins. in the ground, and in a mound of stone, $2\frac{1}{2}$ ft. base, to top of post, with brass cap mkd.

$\frac{1}{4}$
S 21 | S 22
1955

Desc. 70 ft. along NE. slope.

45.60 Wash, course W.; asc. 50 ft. along SW. slope.

51.90 Spur, projects W.; desc. 100 ft. over broken NW. slope.

58.40 Wash, course S. 60° W.; asc. 130 ft. over abrupt S. slope.

62.80 Top of abrupt ascent; continue to asc. 20 ft. along broken SW. slope.

72.60 Wash, course S. 60° W.; asc. 110 ft. along SE. slope.

80.00 Point for the cor. of secs. 15, 16, 21 and 22.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 4 ins. in the ground to bedrock, and in a mound of stone, 4 ft. base, to top of post, with brass cap mkd.

T24S R9E
S16 | S15
S21 | S22
1955

Land, broken mesa draining westerly.
Soil, shallow sandy clay on shale.
Timber, scattered scrub juniper.

N. $0^{\circ} 02'$ W., bet. secs. 15 and 16.

Asc. 10 ft. along SE. slope.

.80 Rim of mesa, bears NE. for about 4 chs. and SW.; continue over nearly level top of mesa.

11.70 Rim of mesa, bears E. and W.; desc. 100 ft. over broken N. slope.

14.60 Wash, course westerly; asc. 120 ft. over abrupt S. slope.

19.50 Rim, bears E. and W.; continue over nearly level land.

31.70 Wash, course SW.; asc. 10 ft. over slight W. slope.

40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 15 and 16.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 10 ins. in the ground, and in a mound of stone, 3 ft. base, to top of post, with brass cap mkd.

$\frac{1}{4}$
S 16 | S 15
1955

Survey of a Portion of the Subdivision of T. 24 S., R. 9 E.

Chains	Continue over nearly level ground.
43.80	Drain, course S. 70° W.; continue over nearly level land.
56.70	Beginning of gradual descent; desc. 40 ft. along NW. slope.
66.50	Beginning of steep descent; desc. 100 ft. over abrupt N. slope.
70.30	Wash, course SW.; asc. 90 ft. over abrupt S. slope.
72.00	Top of steep ascent; continue to asc. 10 ft. along S. slope.
79.20	Top of small yellow clay knoll; desc. 10 ft. over N. slope.
80.00	Point for the cor. of secs. 9, 10, 15 and 16. Set an iron post, 30 ins. long, 2½ ins. diam., 10 ins. in the ground to bedrock, and in a mound of stone, 3 ft. base, to top of post, with brass cap mkd. <div style="text-align: center;"> T24S R9E S9 S10 S16 S15 1955 </div>
	Land, rolling and broken shale ridges, draining westerly. Soil, shallow clay on shale. Timber, thinly scattered scrub juniper.
	N. 0° 02' W., bet. secs. 9 and 10. Over rolling and broken land draining westerly, through thinly scattered scrub juniper; desc. 30 ft. along NW. slope.
7.40	Wash, course N. 60° W.; asc. 70 ft. along SE. slope.
16.60	Rise, projects SW.; asc. 60 ft. along W. slope.
30.40	Ridge, bears N. 80° W. and S. 80° E.; desc. 160 ft. along NE. slope.
39.00	Point selected for the witness ¼ sec. cor. of secs. 9 and 10. Set an iron post, 30 ins. long, 2½ ins. diam., 5 ins. in the ground to bedrock, and in a mound of stone, 3½ ft. base, to top of post, with brass cap mkd. <div style="text-align: center;"> ¼ W C ↑ S 9 S 10 1955 </div>
	Desc. 40 ft. over abrupt broken N. slope.
40.00	True point for the ¼ sec. cor. of secs. 9 and 10, falls on abrupt broken slope, unsafe place for corner. Desc. 30 ft. over abrupt N. slope.
40.70	Wash, course NW.; asc. 40 ft. along broken SW. slope.
44.30	Spur, projects N. 20° W.; desc. 40 ft. along broken NE. slope.

Survey of a Portion of the Subdivision of T. 24 S., R. 9 E.

Chains

- 61.00 Wash, course N. 10° W. about 4 chs. to junction with wash from NE.; asc. 20 ft. along SW. slope.
- 64.40 Spur, slopes W.; desc. 50 ft. along broken NW. slope.
- 67.50 Wash, course SW. for about 2 chs. to junction, thence westerly.
- 71.00 Recross wash, course SE.; asc. 40 ft. along SW. slope.
- 73.10 Spur, slopes N. 20° W.; desc. 30 ft. over N. slope.
- 76.30 Recross wash, course W. from SE.; asc. 50 ft. over broken S. slope.
- 80.00 Point for the cor. of secs. 3, 4, 9 and 10.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 20 ins. in the ground, and in a mound of stone, $3\frac{1}{2}$ ft. base, to top of post, with brass cap mkd.

T24S R9E
 $\frac{S4}{S9} \mid \frac{S3}{S10}$
 1955

Land, rolling and broken shale, draining SW.
 Soil, shallow clay on shale.
 Timber, thinly scattered scrub juniper.

N. $0^{\circ} 02'$ W., bet. secs. 3 and 4.

Over rolling and broken shale land, through scattered scrub juniper; asc. 70 ft. over broken ledges on S. slope.

- 3.50 Top of steep ascent; thence over nearly level bench.
- 7.30 Drain, course SE.; asc. 100 ft. over broken ledges on S. slope.
- 11.90 Top of small knoll; desc. 30 ft. over N. slope.
- 15.60 Wash, course W.; asc. 20 ft. over S. slope.
- 16.70 Top of ascent; desc. 60 ft. along broken W. slope.
- 40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 3 and 4.
- Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 4 ins. in the ground to bedrock, and in a mound of stone, 4 ft. base, to top of post, with brass cap mkd.

$\frac{1}{4}$
 $\frac{S4}{S9} \mid \frac{S3}{S10}$
 1955

Desc. 70 ft. along NW. slope.

- 47.30 Rim, bears N. 70° E. and S. 30° W.; desc. 120 ft. over 60 ft. ledge and abrupt talus on NW. slope.
- 55.50 Side wash, course NE. about 3 chs. to junction with wash from E.; desc. 40 ft. along NE. slope.
- 59.60 Wash, course W. from S. 30° E.; asc. 100 ft. along abrupt SE. slope.

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Survey of a Portion of the Subdivision of T. 24 S., R. 9 E.

Chains	
68.80	Rim, bears NE. and SW.; desc. 10 ft. over flat topped bench spur.
72.10	Rim, bears NW. and N. 10° E.; desc. 110 ft. over abrupt broken N. slope, into Reds Canyon.
76.90	Wash, in bottom of Reds Canyon, course SW. from N. 20° E.; asc. 10 ft.
77.90	Road from Tan Seep through Reds Canyon to Tomsich Butte, bears SW. and NE.
80.00	Point for the 1/16 sec. cor. of secs. 3 and 4. Set an iron post, 30 ins. long, 2½ ins. diam., 12 ins. in the ground, and in a mound of stone, 3½ ft. base, to top of post, with brass cap mkd. <div style="text-align: center;"> 1/16 S 4 S 3 80 1955 </div>
	Asc. 20 ft. along SE. slope.
83.40	Top of ascent, on E. slope; desc. 20 ft. along NE. slope.
86.50	Recross wash, in bottom of Reds Canyon, course S. 10° E.; road from Tan Seep to Tomsich Butte in wash.
90.60	Recross wash, in bottom of Reds Canyon, course SW. from E.; road from Tan Seep to Tomsich Butte in bottom of wash; asc. 20 ft. over S. slope.
96.10	Side wash, course SE. about 2 chs. to junction with wash in bottom of Reds Canyon; asc. 60 ft. over S. slope.
107.00	Bulldozed access road, bears E. and W.
109.50	Intersect the S. bdy. of sec. 33, T. 23 S., R. 9 E. at point for the closing cor. of secs. 3 and 4. Set an iron post, 30 ins. long, 2½ ins. diam., 4 ins. in the ground, and in a mound of stone, 4 ft. base, to top of post, with brass cap mkd. <div style="text-align: center;"> S 33 T23S R9E S4 S3 C C T24S R9E 1955 </div>
	From this closing corner, U.S.L.M. No. 282, bears S. 68° 13' W., 14.16 chs. dist., mkd. by an iron post, 2 in. diam., set in a mound of stone and mkd. USLM #282 - 1955. From this same closing corner, the ¼ sec. cor. of sec. 33, T. 23 S., R. 9 E., bears East, 8.35 chs. dist. Land, rolling shale ridges draining south into Reds Canyon. Soil, red clay with shale outcroppings. Timber, scattered scrub juniper.

Survey of a Portion of the Subdivision of T. 24 S., R. 9 E.

Chains

At the point for the cor. of secs. 1 and 2, on the N. bdy. of the township, established at proportionate distance between the northeast corner of the township and the closing cor. of secs. 3 and 4, as specified in the special instructions.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., over X on solid rock, and in a mound of stone, 4 ft. base, to top of post, with brass cap mkd.

S35
T23S R9E
S2 | S1
T24S R9E
1955

From this corner, the $\frac{1}{4}$ sec. cor. of sec. 35, on the S. bdy. of T. 23 S., R. 9 E., bears East, 8.39 chs. dist.

S. $0^{\circ} 01'$ E., bet. secs. 1 and 2.

Desc. 30 ft. along abrupt SE. slope.

2.00 Wash, course NE.; asc. 40 ft. along NW. slope.

7.10 Spur, slopes NE.; desc. 10 ft. along SE. slope.

10.50 Wash, course NE.; asc. 50 ft. along NW. slope.

18.10 Spur, slopes NE.; desc. 40 ft. over broken S. slope.

21.20 Wash, course E. about 5 chs. to junction with wash from S.; asc. 80 ft. along NE. slope.

29.82 Point for the $1/16$ sec. cor. of secs. 1 and 2.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 12 ins. in the ground, and in a mound of stone, 5 ft. base, to top of post, with brass cap mkd.

$1/16$
S 2 | S 1
1955

Asc. 40 ft. along E. slope.

33.80 Top of ascent, slopes E.; desc. 60 ft. along broken SE. slope.

43.60 Wash, course NE.; asc. 130 ft. along NW. slope.

56.00 Ridge, bears easterly and westerly; desc. 40 ft. over broken S. slope.

69.82 Point for the $\frac{1}{4}$ sec. cor. of secs. 1 and 2.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 14 ins. in the ground, and in a mound of stone, $3\frac{1}{2}$ ft. base, to top of post, with brass cap mkd.

$\frac{1}{4}$
S 2 | S 1
1955

Asc. 20ft. along broken W. slope.

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Survey of a Portion of the Subdivision of T. 24 S., R. 9 E.

Chains	
73.50	Spur, slopes S. 10° E.; desc. 40 ft. over abrupt S. slope.
75.60	Wash, course S. 70° E.; desc. 70 ft. along SE. slope.
81.50	Wash, course SW.; continue over nearly level ground.
83.20	Wash, course S. 60° W.; asc. 20 ft. along broken W. slope.
105.30	Top of ascent; desc. 20 ft. over S. slope.
108.30	Wash, course SW.
109.82	Point for the cor. of secs. 1, 2, 11 and 12. Set an iron post, 30 ins. long, 2½ ins. diam., 6 ins. in the ground to bedrock, and in a mound of stone, 3½ ft. base, to top of post, with brass cap mkd. <div>T24S R9E S2 S1 S11 S12 1955</div> Land, rolling shale draining SW. Soil, red clay with shale outcroppings. Timber, scattered scrub juniper and pinon.
	From the cor. of secs. 1, 2, 11 and 12. N. 89° 53' W., bet. secs. 2 and 11, on a theoretical parallel connecting the cor. of secs. 1 and 12, on the E. bdy. and the cor. of secs. 3, 4, 9 and 10, as specified in the special instructions. Desc. 10 ft. along NW. slope.
1.00	Wash, course S. 60° W.; asc. 10 ft. along SE. slope.
3.60	Top of ascent; desc. 20 ft. along SW. slope.
10.10	Recross wash, course NW.; desc. 50 ft. over broken NW. slope.
18.90	Drain, course N. about 5 chs. to junction with wash from E.; asc. 50 ft. along NE. slope.
23.00	Spur, slopes NW.; desc. 180 ft. over broken W. slope.
38.50	Wash, course westerly from S. 80° E.; continue over almost level bench, recrossing wash several times.
40.00	True point for the ¼ sec. cor. of secs. 2 and 11, falls in wash.
41.20	Point selected for the witness ¼ sec. cor. of secs. 2 and 11. Set an iron post, 30 ins. long, 2½ ins. diam., 16 ins. in the ground, and in a mound of stone, 3 ft. base, to top of post, with brass cap mkd. <div>¼ S 2 → W S 11 C 1955</div> Desc. 70 ft., recrossing same wash several times.
58.70	Recross wash, course NW. about 5 chs. to junction with wash from NE.; desc. 110 ft. along NW. slope.

Survey of a Portion of the Subdivision of T. 24 S., R. 9 E.

Chains

- 68.40 Wash, at bend, course NW. from NE.; asc. 70 ft. along abrupt NE. slope.
- 71.40 Spur, slopes N.; desc. 50 ft. along NW. slope.
- 78.60 Drain, course N. about 1.50 chs. to junction with wash from E.; asc. 20 ft. along NE. slope.
- 80.00 Point for the cor. of secs. 2, 3, 10 and 11.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 15 ins. in the ground, and in a mound of stone, 4 ft. base, to top of post, with brass cap mkd.

T24S R9E

$\frac{S3}{S10} | \frac{S2}{S11}$
1955

Land, rolling and broken shale draining west.
Soil, shallow gravelly clay on shale.
Timber, scattered scrub juniper and pinon.

N. 0° $01'$ W., bet. secs. 2 and 3.

Desc. 30 ft. along NE. slope.

- 2.60 Wash, course N. 70° W.; asc. 20 ft. along SW. slope.
- 6.30 Low spur, slopes W.; desc. 10 ft. along NW. slope.
- 7.70 Small wash, course S. 70° W.; asc. 90 ft. over broken S. slope.
- 15.50 Spur, slopes S. 60° E.; desc. 60 ft. along broken NW. slope.
- 21.80 Wash, course SW.; asc. 120 ft. along SE. slope.
- 29.10 Spur, projects W.; desc. 110 ft. along broken NW. slope.
- 38.80 Wash, course SW.; asc. 20 ft. along broken SE. slope.
- 40.00 True point for the $\frac{1}{4}$ sec. cor. of secs. 2 and 3, falls on abrupt broken SE. slope, unsafe place for corner.
- Asc. 50 ft. along abrupt broken SE. slope.
- 44.40 Point selected for the witness $\frac{1}{4}$ sec. cor. of secs. 2 and 3.
- Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 6 ins. in the ground, and in a mound of stone, $3\frac{1}{2}$ ft. base, to top of post, with brass cap mkd.

$\frac{1}{4}$
S 3 \downarrow S 2
W C
1955

Spur, projects SW.; desc. 60 ft. along broken NW. slope.

- 47.90 Wash, course W. from N. 10° E.; asc. 170 ft. along broken SE. slope.

- 60.70 Ridge, bears easterly and westerly; desc. 150 ft. along broken NW. slope.

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Survey of a Portion of the Subdivision of T. 24 S., R. 9 E.

Chains

77.60

Wash, course NE.; asc. 20 ft. along SE. slope.

80.00

Point for the $\frac{1}{16}$ sec. cor. of secs. 2 and 3.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 10 ins. in the ground, and in a mound of stone, 3 ft. base, to top of post, with brass cap mkd.

 $\frac{1}{16}$

S 3 | S 2

1955

Wash, course NE. about 2 chs. to junction with wash from S.; asc. 100 ft. along abrupt SE. slope.

90.80

Spur, projects N. 80° E.; desc. 160 ft. along broken E. slope.

109.71

Intersect the S. bdy. of sec. 34, T. 23 S., R. 9 E. at point for the cor. of secs. 2 and 3, T. 24 S., R. 9 E., established at proportionate distance between the northeast corner of the township and the closing cor. of secs. 3 and 4.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 6 ins. in the ground, and in a mound of stone, 5 ft. base, to top of post, with brass cap mkd.

S34

T23S R9E

S3 | S2

T24S R9E

1955

From this corner, the $\frac{1}{4}$ sec. cor. of sec. 34, T. 23 S., R. 9 E., bears East, 8.37 chs. dist.

Land, broken breaks of Reds Canyon.

Soil, sandy red clay with shale outcroppings.

Timber, scattered scrub juniper and pinon.

Point for the $\frac{1}{4}$ sec. cor. on the N. bdy. of sec. 1, at midpoint bet. the closing cor. of Ts. 24 S., Rs. 9 and 10 E. and the cor. of secs. 1 and 2.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 6 ins. in the ground, and in a mound of stone, 4 ft. base, to top of post, with brass cap mkd.

 $\frac{1}{4}$ S 1

1955

From this corner, the cor. of secs. 35 and 36, on the S. bdy. of T. 23 S., R. 9 E., described in the survey of T. 23 S., R. 9 E., bears East, 8.39 chs. dist.

Point for the $\frac{1}{4}$ sec. cor. on the N. bdy. of sec. 2, at midpoint bet. the cor. of secs. 1 and 2, and the cor. of secs. 2 and 3, T. 24 S., R. 9 E.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 10 ins. in the ground, and in a mound of stone, 3 ft. base, to top of post, with brass cap mkd.

Survey of a Portion of the Subdivision of T. 24 S., R. 9 E.

Chains

4 S 2
1955

From this corner, the cor. of secs. 34 and 35, on the S. bdy. of T. 23 S., R. 9 E., described in the survey of T. 23 S., R. 9 E., bears East, 8.38 chs. dist.

Point for the $\frac{1}{4}$ sec. cor. on the N. bdy. of sec. 3, at midpoint between the closing cor. of secs. 3 and 4, and the cor. of secs. 2 and 3, T. 24 S., R. 9 E.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 6 ins. in the ground, and in a mound of stone, 4 ft. base, to top of post, with brass cap mkd.

4 S 3
1955

From this corner, the cor. of secs. 33 and 34, on the S. bdy. of T. 23 S., R. 9 E., described in the survey of T. 23 S., R. 9 E., bears East, 8.36 chs. dist.

From the cor. of secs. 15, 16, 21 and 22.

West, bet. secs. 16 and 21.

Asc. 20 ft. along SE. slope.

1.20 Rim, bears NE. and SW.; desc. 130 ft. over gentle W. slope, through scattered juniper and pinon.

40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 16 and 21.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 4 ins. in the ground, and in a mound of stone, 4 ft. base, to top of post, with brass cap mkd.

4 S 16
S 21
1955

Desc. 20 ft. along NW. slope.

42.80 Rim, bears N. 40° E. and S. 80° W. Leave timber; desc. 160 ft. along S. side of gulch, along abrupt broken N. slope.

71.20 Slope changes to NW.; desc. 160 ft. along NW. slope into gulch.

80.00 Point for the cor. of secs. 16, 17, 20 and 21.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 4 ins. in the ground, and in a mound of stone, 4 ft. base, to top of post, with brass cap mkd.

T24S R9E
S17 S16
S20 S21
1955

Land, broken table land, cut by gulches draining westerly into Reds Canyon.

Soil, shallow sand on shale.

Timber, scattered scrub juniper above the rimrock.

Survey of a Portion of the Subdivision of T. 24 S., R. 9 E.

Chairs

S. 0° 03' E., bet. secs. 16 and 17.

Over very broken land, cut by gulches draining into Red Canyon;
desc. 10 ft. along NW. slope.

1.10 Wash, course westerly; asc. 140 ft. along SE. slope.

6.10 Small butte, on end of spur, on E. slope; desc. 100 ft. along
NW. slope.

11.30 Wash, course westerly; asc. 250 ft. over shale ledges on S. slope.

17.20 Rim, bears E. and W.; desc. 100 ft. along NW. slope.

20.50 Rim of narrow gulch, bears N. and SW.; desc. 140 ft. along shale
ledges on S. slope.22.20 Wash, in bottom of gulch, course SW. from N. 80° E.; asc. 160 ft.
over ledges on S. slope.

24.40 Rim of narrow gulch, bears E. and SW.; asc. 30 ft. over S. slope.

34.20 Spur, slopes S. from N. 30° E.; desc. 30 ft. along NW. slope.

40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 16 and 17.Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., 3 ins. in the
ground to bedrock, and in a mound of stone, 4 ft. base, to top
of post, with brass cap mkd.

4
S 17 | S 16
1955

Asc. 20 ft. along W. slope, through scattered scrub juniper.

47.10 Spur, slopes SW.; desc. 80 ft. along broken W. slope.

52.30 Wash, course SW.; asc. 140 ft. along broken SW. slope.

53.30 Spur, projects SE.; desc. 10 ft. along NE. slope.

57.50 Drain, course SE.; asc. 40 ft. over S. slope.

60.00 Point for the cor. of secs. 8, 9, 16 and 17.

Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., 4 ins. in the
ground to bedrock, and in a mound of stone, 4 ft. base, to top
of post, with brass cap mkd.

T24S R9E
S8 | S9
S17 | S16
1955

Land, rolling and broken shale, draining SW.
Soil, shallow gravelly clay, with shale outcroppings.
Timber, scattered scrub juniper and pinon.

From the cor. of secs. 9, 10, 15 and 16.

S. 2° 58' E., bet. secs. 9 and 16.

Survey of a Portion of the Subdivision of T. 24 S., R. 9 E.

Chains

Over rolling and broken land, draining SW., through scattered scrub juniper and pinon; desc. 150 ft. along SW. slope.

21.00 Wash, course S. about 3 chs. to junction with wash from SE.; asc. 100 ft. over E. slope.

23.60 Spur, projects S.; continue over broken S. slope.

32.00 Beginning of descent; desc. 100 ft. over W. slope.

39.98 Point for the $\frac{1}{4}$ sec. cor. of secs. 9 and 16.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 6 ins. in the ground to bedrock, and in a mound of stone, 4 ft. base, to top of post, with brass cap mkd.

$\frac{1}{4}$ $\frac{S\ 9}{S\ 16}$
1955

Desc. 110 ft. along NW. slope.

58.00 Wash, course SW. about 2 chs. to junction with wash from the N.; desc. 5 ft.

60.00 Wash, course SE. about 2 chs., thence SW.; asc. 100 ft. over E. slope.

68.20 Spur, projects S.; desc. 70 ft. along SW. slope.

73.50 Wash, course SE. about 15 chs. to junction with wash from NE.; asc. 80 ft. along NE. slope.

79.96 The cor. of secs. 8, 9, 16 and 17.

Land, rolling to broken.

Soil, shallow gravelly clay, with shale outcroppings.

Timber, scattered scrub juniper and pinon.

From the cor. of secs. 4, 5, 32 and 33, on the S. bdy. of the township, set and mkd. as described in the field notes of the survey of T. 25 S., R. 9 E.

N. $0^{\circ} 03'$ W., bet. secs. 32 and 33.

Over broken land draining westerly, through scattered scrub juniper.

2.60 Road, bladed and graveled, bears N. 70° W. and S. 70° E.

7.10 Wash, 60 lks. wide, 5 ft. deep, course NW.; desc. 70 ft. along NW. slope.

19.80 Wash, course westerly; asc. 50 ft. along SW. slope.

28.20 Top of ascent, slopes S. 80° W.; desc. 10 ft. along NW. slope.

35.00 Point selected for the witness $\frac{1}{4}$ sec. cor. of secs. 32 and 33.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 8 ins. in the ground, and in a mound of stone, $3\frac{1}{2}$ ft. base, to top of post, with brass cap mkd.

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Survey of a Portion of the Subdivision of T. 24 S., R. 9 E.

Chains	
	<div style="text-align: center;"> <p style="text-align: center;">W C S 32 ↑ S 33 1955</p> </div>
35.30	Rim, bears NW. and E.; desc. 160 ft. over abrupt N. slope.
40.00	True point for the cor. of secs. 32 and 33, falls on abrupt broken slope, unsafe place for corner. Desc. 100 ft. over abrupt broken N. slope.
43.80	Wash, course NW.; asc. 140 ft. along SW. slope.
49.10	Spur, slopes W.; desc. 170 ft. along NW. slope.
57.70	Wash, course W. about 3.5 chs. to junction with wash from the N.; asc. 230 ft. over shale ledges on S. slope.
62.50	Rim of small butte, bears E. and W.; asc. 50 ft. over top of butte.
71.00	Rim of butte, bears E. and W.; desc. 230 ft. over N. slope.
74.30	Wash, course N. 70° W.; asc. 20 ft.
80.00	Point for the cor. of secs. 28, 29, 32 and 33. Set an iron post, 30 ins. long, 2½ ins. diam., 10 ins. in the ground, and in a mound of stone, 3 ft. base, to top of post, with brass cap mkd. <div style="text-align: center;"> T24S R9E <u>S29 S28</u> <u>S32 S33</u> 1955 </div>
	Land, rolling and broken shale, cut by draws draining westerly. Soil, gravelly clay with shale outcroppings. Timber, scattered scrub juniper above the rimrock.
	From the cor. of secs. 5, 6, 31 and 32, on the S. bdy. of the township, set and mkd. as described in the field notes of the survey of T. 25 S., R. 9 E.
	N. 0° 03' W., bet. secs. 31 and 32.
	Asc. 200 ft. over talus slope and shale ledges, along SW. slope.
7.10	Rim, bears N. 80° W. and SE.
10.70	Road, bladed and graveled, to Tomsich Butte, bears NW. and S. 60° E.; desc. 40 ft. along broken NW. slope.
15.00	Wash, course NW.; asc. 20 ft. along SW. slope.
23.10	Spur, projects NW.; desc. 230 ft. over broken shale ledges and abrupt talus slope, over N. slope.
35.90	Wash, at bend, course W. from SE.; asc. 220 ft. over abrupt shale ledges on S. slope.
37.00	Rim, bears SE. and SW.; asc. 10 ft. over broken S. slope.

Survey of a Portion of the Subdivision of T. 24 S., R. 9 E.

Chains

40.00

Point for the $\frac{1}{4}$ sec. cor. of secs. 31 and 32.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 15 ins. in the ground, and in a mound of stone, 3 ft. base, to top of post; with brass cap mkd.

$\frac{1}{4}$
S 31 | S 32
1955

Asc. 110 ft. over series of small washes and minor spurs, putting SW.

63.00

Top of ascent, spur, slopes SW.; desc. 80 ft. along broken NW. slope.

70.10

Wash, course S. 60° W.; asc. 80 ft. along abrupt SE. slope.

73.60

Spur, slopes S. 50° W.; desc. 40 ft. along broken NE. slope.

79.90

Point selected for the witness cor. of secs. 29, 30, 31 and 32.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 6 ins. in the ground, and in a mound of stone, 5 ft. base, to top of post, with brass cap mkd.

W C
↑
T24S | R9E
S30 | S29
S31 | S32
1955

80.00

True point for the cor. of secs. 29, 30, 31 and 32, falls in wash, course S. 70° E.

Land, broken shale draining westerly.
Soil, shallow gravelly clay, with shale outcroppings.
No timber.

From the cor. of secs. 28, 29, 32 and 33.

N. $89^\circ 56'$ W., bet. secs. 29 and 32.

Desc. 20 ft. along SW. slope.

1.50

Wash, course SE. about 5 chs. to junction with wash from the E.; asc. 230 ft. along talus slope and shale ledges on SE. slope.

7.60

Rim, bears N. 10° E. and S. 10° W.; desc. 120 ft. along broken SW. slope.

39.10

Wash, course S.; asc. 20 ft. over E. slope.

39.96

Point for the $\frac{1}{4}$ sec. cor. of secs. 29 and 32.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 12 ins. in the ground, and in a mound of stone, $2\frac{1}{2}$ ft. base, to top of post, with brass cap mkd.

$\frac{1}{4}$ S 29
S 32
1955

177

Survey of a Portion of the Subdivision of T. 24 S., R. 9 E.

Chains

Asc. 30 ft. over E. slope.

41.20 Spur, slopes S.; desc. 160 ft. along broken SW. slope.

73.30 Beginning of abrupt descent, leave timber; desc. 70 ft. along abrupt SW. slope.

79.92 True point for the cor. of secs. 29, 30, 31 and 32, from which the witness cor. bears South, 10 lks. dist.

Land, very broken shale, draining westerly.

Soil, shallow sandy clay.

Timber, very scattered juniper.

General Description

The land in T. 24 S., R. 9 E. is rolling to broken mesa land sloping west, cut by numerous gulches draining westerly into Reds Canyon. The land becomes very rough and broken as it nears the breaks of Reds Canyon.

Reds Canyon enters the township in section 2, draining southwesterly across the northern part of the township, thence along the west side, leaving the township in section 31.

The drainage of the township is divided by a ridge, locally known as "The Big Ridge", entering the township in section 24 and bearing southwestwardly to leave in section 35.

The southeast portion of the township east of the Big Ridge drains southerly into Cistern Canyon, which begins in section 36 and leaves the township at the corner of sections 35 and 36.

The general formation is gray shale, changing to red shale break on the east side of Reds Canyon. The west side of Reds Canyon is composed of almost impassable red to tan sandstone ledges, about 800 feet high, which enter the township in section 5 and leave in section 19.

The major portion of the township is covered by scattered scrub juniper and pinon, being thicker on the mesa tops and disappearing along the breaks of Reds Canyon. Very little undergrowth is found, only a few widely scattered shadscale. A poor to fair growth of grass is found, the best growth being found in flats on the mesa tops and east of the Big Ridge.

The road from Tan Seep to the Delta Mine on the Muddy River enters the township in section 24, bearing southwestwardly, and leaves in section 35. The road from Tan Seep through Reds Canyon to Tomsich Butte and the Muddy River enters in section 2 and follows along the bottom of Reds Canyon and leaves along the breaks on the west side of Reds Canyon at the corner of secs. 19 and 30. The road from a junction with the road from Tan Seep to the Delta Mine enters section 33 bearing westerly to Tomsich Butte and the Muddy River and leaves the township in section 31.

Considerable uranium prospecting is being carried out along the west side of Reds Canyon.

The settlement of the land would be impracticable due to the absence of water, although the eastern portion of the township is being used for stock grazing.

FIELD ASSISTANTS

CERTIFICATE OF CADASTRAL ENGINEER

We, Andrew Nelson and Phil D. Smith, HEREBY CERTIFY upon honor that

pursuance of special instructions bearing date of the 1st day of April, 1956

I have surveyed a portion of the west boundary and a portion of the subdivision of
T. 24 S., R. 9 E.

of the Salt Lake Meridian, in the State of Utah, which are
 represented in the foregoing field notes as having been executed by ~~me~~^{us} and under ~~my~~^{our} direction; and that
 said survey has been made in strict conformity with said instructions, the Manual of Instructions for the
 Survey of the Public Lands of the United States, and in the specific manner described in the foregoing
 field notes.

Salt Lake City, Utah

April 6, 1956

Phil D. Smith
 Cartographic Survey Aid
Andrew Nelson
 Cartographer (Cadastral)

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT,

Washington, D. C., JUN 27 1956, 1956

The foregoing field notes of the survey of a portion of the west boundary and a portion
of the subdivision of T. 24 S., R. 9 E., Salt Lake Meridian, Utah

executed by Andrew Nelson and Phil D. Smith

having been critically examined and found correct, are hereby approved.

Earl G. Harrington
 Cadastral Engineering Staff Officer.

CERTIFICATE OF TRANSCRIPT

I CERTIFY that the foregoing transcript of the field notes of the above-described surveys in

, is a true copy of the original field notes.

Cadastral Engineering Staff Officer

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

Original
FIELD NOTES

of the Survey of the

East and West

Boundaries

and

A Portion of the Subdivisional Lines

of

Township 24 South, Range 10 East

Of the Salt Lake Meridian,

In the State of Utah

EXECUTED BY

Andrew Nelson, Cartographer-Cadastral

Phil D. Smith, Cartographic Survey Aid

Under special instructions dated August 13, 1954, which provided
for the surveys included under Group No. 363, approved September 21, 1954
and assignment instructions dated March 30, 1955

Survey commenced June 13, 1955

Survey completed June 21, 1955

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East and West Boundaries, and Portion of Subdivision, T. 24 S., R. 10 E.

Chains

The south boundary of Township 23 South, Range 10 East was surveyed by H. W. Miller in 1922. The south boundary of sec. 36, Township 23 South, Range 9 East, was surveyed concurrently with the survey of this township and is described in the field notes of the survey of the south boundary of T. 23 S., R. 9 E. The north boundary of Township 25 South, Range 10 East, was concurrently surveyed by Andrew Nelson and Phil D. Smith.

The following field notes are those of the survey of the East and West boundaries and a portion of the Subdivision of Township 24 South, Range 10 East, deemed sufficient in extent to facilitate development of the natural resources and mark the boundaries of those sections that normally are considered State school sections.

The survey was executed with Buff and Buff solar transit number 23831, and Gurley solar transit number 541331, both constructed in accordance with the standard specifications of the Bureau of Land Management. The instruments were in good condition, having been placed in proper adjustment prior to the beginning of the field work. The instruments were tested and checked frequently during the progress of the survey.

The directions of all lines herein reported are determined by deflecting from meridians established by observations upon Polaris and the sun, throughout the survey.

Corners on latitudinal lines were set on the true latitudinal curve. Lines connecting previously established corners were run by random and true method but for simplification of the record the random lines are omitted from the field notes. In accordance with the intent of the special instructions all subdivisional corners established are calculated to be at the positions they would occupy if the entire township were subdivided.

The measurements were made with steel tapes, eight chains in length. These tapes were graduated every link for the first chain and thereafter at intervals of ten links. The tapes were tested by comparison with a standard steel tape, one chain in length, and found to be correct. The measurements were made on the slope, the vertical angle of each interval determined by the use of clinometers, and the slope distances properly reduced to horizontal equivalents, which appear in these notes. All lengths of lines were determined by chaining where possible, otherwise by triangulation or traverse. The details of such traverses or triangulations have been thoroughly verified and in order to simplify the record the diagrams and reductions are omitted from these field notes.

The geographic value for the southeast corner of the township is latitude $38^{\circ} 40' 22''$ N., longitude $110^{\circ} 45' 08''$ W., as scaled from U. S. G. S. topographical maps.

The magnetic declination was read at a number of stations throughout the township and the average of the several readings was found to be $16^{\circ} 00'$ E.

East Boundary, Township 24 South, Range 10 East.

Beginning at the corner of Townships 24 and 25 South, Ranges 10 and 11 East, marked by an iron post, 2½ ins. in diam., set, marked, and

Chains

witnessed as described in the field notes of the survey of T. 25 S., R. 10 E.

North, bet. secs. 31 and 36.

Over broken land, through thinly scattered timber, asc. 70 ft.

8.00 Spur, projects SW., asc. 50 ft.

23.00 Spur, projects SW., asc. 80 ft.

40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 31 and 36, falls on inaccessible ledge.

41.50 Point selected for the witness $\frac{1}{4}$ sec. cor. of secs. 31 and 36.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 10 ins. in the ground, with brass cap marked

$\frac{1}{4}$
S36 | S31
W C
1955

raise a mound of stone, 5 ft. base, around the iron post to top of post.

Asc. 50 ft. over S. slope.

52.20 Spur, slopes E., asc. 140 ft. along E. slope.

60.00 Point for the cor. of secs. 25, 30, 31, and 36.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 15 ins. in the ground, with brass cap marked

T24S
R10E R11E
S25 | S30
S36 | S31
1955

raise a mound of stone, 4 ft. base, around the iron post, to top of post.

Land, broken.

Soil, sandy.

Timber, thinly scattered juniper.

North, bet. secs. 25 and 30.

Over broken land, desc. 60 ft. along NE. slope.

4.90 Wash, course SE., asc. 160 ft. along broken slope, draining easterly.

40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 25 and 30.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 20 ins. in the ground, with brass cap marked

E. Bdy., T. 24 S., R. 10 E.

Chains

 $\frac{1}{4}$

S25 | S30

1955

raise a mound of stone, 3 ft. base, around the iron post, to top of post.

Desc. 80 ft. along NE. slope.

50.20 Wash, course E., from N., line continues along bottom of wash.

55.70 Leave wash, bears to NE.

66.40 Same wash, course SE., from N. 30° W.

80.00 Point for the cor. of secs. 19, 24, 25, and 30, falls in a small wash, course W., an unsafe position to perpetuate the cor.

Land, broken.

Soil, shallow sand and shale.

No timber.

North, bet. secs. 19 and 24.

Over broken land, through medium dense timber.

0.60 Point selected for the witness cor. of secs. 19, 24, 25, and 30.

Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., 6 ins. in the ground, with brass cap marked

TR40
R10ER116
S24 | S19
S25 | S30

W C
1955

raise a mound of stone, 5 ft. base, around the iron post to top of post.

9.90 Wash, course SW., asc. 110 ft. along SE. slope.

20.00 Spur, slopes E., desc. 130 ft. along NE. slope.

24.60 Wash, drains SE., from N.

30.90 Leave wash, drains from NE., asc. 40 ft. along broken E. slope.

37.90 Same wash, course SE., asc. 30 ft.

40.00 Point for the sec. cor. of secs. 19 and 24.

Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., 6 ins. in the ground, with brass cap marked

 $\frac{1}{4}$

S24 | S19

1955

Chains	
	raise a mound of stone, 5 ft. base, around the iron post, to top of post.
46.50	Same wash, drains SW.
51.90	Same wash, drains SE.
61.20	Same wash, drains W., asc. 180 ft. over S. slope.
80.00	Point for the cor. of secs. 13, 18, 19, and 24. Set an iron post, 30 ins. long, 2½ ins. diam., 18 ins. in the ground, with brass cap marked <div>T24S R10ER11E S13 S18 S24 S19 1955</div>
	raise a mound of stone, 4 ft. base, around the iron post, to top of post. Land, broken and rolling. Soil, shallow sand. Timber, medium dense juniper.
	North, bet. secs. 13 and 18. Over rolling land, through medium dense pinon and juniper, asc. 120 ft. over slight S. slope.
40.00	Point for the ¼ sec. cor. of secs. 13 and 18. Set an iron post, 30 ins. long, 2½ ins. diam., 20 ins. in the ground with brass cap marked <div>¼ S13 S18 1955</div>
	raise a mound of stone, 3 ft. base, around the iron post to top of post. from which <div>A pinon, 18 ins. diam., bears N. 68° 15' W., 1.00 ch. dist., mkd. ¼ S13 BT. A pinon, 10 ins. diam., bears S. 85° 30' E., 143 lks. dist., mkd. ¼ S18 BT.</div>
56.60	Wash, course E., asc. 90 ft. over slight S. slope.
80.00	Point for the cor. of secs. 7, 12, 13, and 18. Set an iron post, 30 ins. long, 2½ ins. diam., 20 ins. in the ground with brass cap marked

E. Bdy., T. 24 S., R. 10 E.

Chains

T24S
R10E R11E
S12 | S 7
S13 | S18
1955

raise a mound of stone, 3 ft. base, around the iron post, to top of post.

from which

A juniper, 10 ins. diam., bears S. 51° 14' W., 51 lks. dist., mkd. S13 BT.

A juniper, 10 ins. diam., bears S. 88° 30' E., 110 lks. dist., mkd. S18 BT.

A juniper, 12 ins. diam., bears N. 5° 30' W., 274 lks. dist., mkd. S12 BT.

A juniper, 12 ins. diam., bears N. 27° 15' E., 191 lks. dist., mkd. BT.

Land, rolling.

Soil, sandy.

Timber, medium dense pinon and juniper.

North, bet. secs. 7 and 12.

Asc. 20 ft. over nearly level land, through thinly scattered timber.

34.30 Dirt road, bears S. 80° E. and N. 80° W., desc. 20 ft.

40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 7 and 12.

Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., 12 ins. in the ground, with brass cap marked

$\frac{1}{4}$
S12 | S7
1955

raise a mound of stone, 3 ft. base, around the iron post, to top of post.

48.70 Trail road, bears NW. and SE., desc. 50 ft.

59.20 Small wash, drains N. along W. side of line, from SW.

66.40 Same wash, course NW., desc. 30 ft. over rolling land.

80.00 Point for the cor. of secs. 1, 6, 7, and 12.

Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., 20 ins. in the ground, with brass cap marked

T24S
R10E R11E
S 1 | S 6
S12 | S 7
1955

Chains

raise a mound of stone, 3 ft. base, around the iron post, to top of post.

Land, rolling.

Soil, sandy.

Timber, thinly scattered juniper and pinon.

North, bet. secs. 1 and 6.

Over nearly level land.

39.50 Enter thinly scattered timber.

40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 1 and 6.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 6 ins. in the ground, with brass cap marked

$\frac{1}{4}$
S 1 | S 6
1955

raise a mound of stone, 5 ft. base, around the iron post to top of post,

from which

A juniper, 6 ins. diam., bears N. $83^{\circ} 15'$ E., 58 lks. dist.,
mkd. $\frac{1}{4}$ S 6 BT.

Asc. 80 ft.

54.10 Top of knoll, desc. 90 ft.

71.20 Wash, course W., about 3 chs. to small reservoir, asc. 80 ft.

80.00 Point for the $1/16$ sec. cor. of secs. 1 and 6.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 8 ins. in the ground, with brass cap marked

$1/16$
S 1 | S 6
80
1955

raise a mound of stone, 5 ft. base, around the iron post, to top of post.

Desc. 60 ft. over N. slope.

84.20 Road, bears NE. to Castle Dale and SW. to Temple Mountain.

110.00 Intersect the S. bdy. of sec. 36, T. 23 S., R. 10 E.

Point for the closing cor. of secs. 1 and 6.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 10 ins. in the ground, with brass cap marked

E. Bdy., T. 24 S., R. 10 E.

Chains

T23SR10E
 S36
 S 1 | S 6
 R10E | R11E
 C | C
 T24S
 1955

raise a mound of stone, 5 ft. base, around the iron post to top of post.

From this closing cor., the cor. originally set to function as the $\frac{1}{4}$ sec. cor. of secs. 1 and 36, an iron post, 1 in. diam., conforming to the record of the 1922 survey, bears East, 8.44 chs. dist. As this cor. now functions as the $\frac{1}{4}$ sec. cor. of sec. 36 only, I remove the marks "S1" from the brass cap.

Land, rolling.

Soil, shallow sand and sandstone surface rock.
 No timber.

West Boundary, T. 24 S., R. 10 E.

Beginning at the true point for the cor. of Ts. 24 and 25 S., Rs. 9 and 10 E.

North, bet. secs. 31 and 36, counting dist. from the true point.

Over broken land through scattered timber.

0.50 The witness cor. of Ts. 24 and 25 S., Rs. 9 and 10 E., marked with an iron post, $2\frac{1}{2}$ ins. diam., set, marked and witnessed as described in the field notes of the survey of T. 25 S., R. 10 E.

Asc. 110 ft. over S.slope.

14.30 Spur, slopes E., desc. 110 ft. over NE. slope.

28.60 Wash, course SE., asc. 170 ft. over S. slope.

36.80 Top of ascent, bears NE. and W., enter rolling land.

40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 31 and 36.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 8 ins. in the ground, with brass cap marked

$\frac{1}{4}$
 S36 | S31
 1955

raise a mound of stone, 5 ft. base, around the iron post, to top of post.

Continue over rolling land.

80.00 Point for the cor. of secs. 25, 30, 31, and 36.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 8 ins. in the ground, with brass cap marked

W. Bdy., T. 24 S., R. 10 E.

Chains

T24S
R9E R10E
S25|S30
S36|S31
1955

raise a mound of stone, 3 ft. base, around the iron post, to top of post.

Land, broken in S. 20 chs., rolling in N.
Soil, sand.
Timber, thinly scattered pinon and juniper.

North, bet. secs. 25 and 30.

Over nearly level land.

40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 25 and 30.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 20 ins. in the ground with brass cap marked

$\frac{1}{4}$
S25|S30
1955

raise a mound of stone, $2\frac{1}{2}$ ft. base, around the iron post, to top of post.

Deposit broken glass around the base of the iron post.

40.82 Small wash, drains SW.

57.50 Bladed road, bears N. 80° E. and S. 80° W.

80.00 Point for the cor. of secs. 19, 24, 25, and 30.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 10 ins. in the ground, with brass cap marked

T24S
R9E R10E
S24|S19
S25|S30
1955

raise a mound of stone, $3\frac{1}{2}$ ft. base, around the iron post, to top of post.

Deposit broken glass around the base of the iron post.

Land, nearly level.
Soil, sand.
No timber.

North, bet. secs. 19 and 24.

Over nearly level land.

W. Bdy., T. 24 S., R. 10 E.

Chains

33.50 Wash, drains SW., from NE. Fork of streams $2\frac{1}{2}$ chs. W.

40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 19 and 24.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 20 ins. in the ground, with brass cap marked

$\frac{1}{4}$
S24 | S19
1955

raise a mound of stone, 3 ft. base, around the iron post, to top of post.

Deposit broken glass around the base of the iron post.

43.90 Trail road, bears NE. and SW.

46.50 Wash, drains SW. from NE.

59.40 Bladed gravel road, bears N. 30° E. and S. 30° W.

79.60 Small wash, drains SE.

80.00 Point for the cor. secs. 13, 18, 19 and 24.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 18 ins. in the ground, with brass cap marked

T24S
R9E R10E
S13 | S18
S24 | S19
1955

raise a mound of stone, 4 ft. base, around the iron post, to top of post.

Deposit broken glass around the base of the iron post.

Land, nearly level.

Soil, sandy.

No timber.

North, bet. secs. 13 and 18.

Over rolling land.

29.90 Desc. 140 ft. over N. slope.

40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 13 and 18.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 10 ins. in the ground, with brass cap marked

$\frac{1}{4}$
S13 | S18
1955

raise a mound of stone, $3\frac{1}{2}$ ft. base, around the iron post, to top of post.

Chains

from which

A pinon, 8 ins. diam., bears S. 65° 30' W., 78 lks. dist.,
mkd. $\frac{1}{4}$ S13 BT.

A pinon, 6 inches diam., bears S. 89° 30' E., 49 lks. dist.,
mkd. $\frac{1}{4}$ S18 BT.

Enter scattered timber, desc. 60 ft. over N. slope.

42.30 Small wash, course NE.

49.10 Main wash, drains N. 70° W., asc. 160 ft. over S. slope.

58.90 Top of ascent, bears E. and W., thence over rolling land.

72.30 Gulch, 7 chs. wide, 60 ft. deep, drains W., continue over rolling land.

80.00 Point for the cor. of secs. 7, 12, 13, and 18.

Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., 12 ins. in the ground, with brass cap marked

T24S
R9E R10E
S12 | S 7
S13 | S18
1955

Deposit a sandstone, 12x8x4", mkd. (X), at base of the iron post.

No other accessories available.

Land, rolling and broken.

Soil, sandy.

Timber, thinly scattered pinon and juniper.

North, bet. secs. 7 and 12.

Over broken land, through thinly scattered timber, desc. 50 ft. over N. slope.

12.60 Head of wash, draining NW., asc. 30 ft.

16.40 Spur, slopes NW., desc. 130 ft. over rocky N. slope.

22.50 Wash, drains W., asc. 110 ft. over S. slope.

25.50 Spur, slopes W., desc. 130 ft. over N. slope.

33.90 Wash, course W., asc. 110 ft. along SE. slope.

40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 7 and 12.

Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., 18 ins. in the ground, with brass cap marked

$\frac{1}{4}$
S12 | S 7
1955

W. Bdy., T. 24 S., R. 10 E

Chains

raise a mound of stone, 4 ft. base, around the iron post, to top of post.

Asc. 60 ft. along SE. slope.

80.00

Point for the cor. of secs. 1, 6, 7, and 12.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 6 ins. in the ground, with brass cap marked

T24S
R9E R10E
S 1 | S 6
S12 | S 7
1955

raise a mound of stone, $2\frac{1}{2}$ ft. base, around the iron post, to top of post,

from which

A pinon, 12 ins. diam., bears S. $21^{\circ} 00'$ E., 52 lks. dist., mkd. T24S R10E S7 BT.

A pinon, 12 ins. diam., bears S. $61^{\circ} 45'$ W., 82 lks. dist., mkd. S12 BT.

Land, broken.

Soil, sandy and rocky.

Timber, thinly scattered scrub juniper and pinon.

North, bet. secs. 1 and 6.

Asc. 90 ft. over S. slope through medium dense timber.

40.00

Point for the $\frac{1}{4}$ sec. cor. of secs. 1 and 6.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 10 ins. in the ground, with brass cap marked

$\frac{1}{4}$
S 1 | S 6
1955

raise a mound of stone, $3\frac{1}{2}$ ft. base, around the iron post, to top of post.

60.10

Ridge, bears NE. and SW., desc. 160 ft. along broken NW. slope.

80.00

Point for the 1/16 cor. of secs. 1 and 6.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 4 ins. in the ground, with brass cap marked

1/16
S 1 | S 6
80
1955

raise a mound of stone, 4 ft. base, around the iron post, to top of post.

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W. Bdy., T. 24 S., R. 10 E.

Chains	
	Desc. 40 ft. along NW. slope.
84.30	Bladed road, bears NW. and SE., on spur, sloping NW., desc. 220 ft. over broken N. slope.
109.99	Intersect the S. bdy. of sec. 36, T. 23 S., R. 9 E.
	Point for the closing cor. of secs. 1 and 6.
	Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., 15 ins. in the ground with brass cap marked
	<div style="text-align: center;"> T23SR9E S36 S 1 S 6 R9E R10E C C T24S 1955 </div>
	raise a mound of stone, 5 ft. base, around the iron post, to top of post,
	from which
	A pinon, 16 ins. diam., bears S. 59° 45' W., 108 lks. dist., mkd. T24S R9E S1 CC BT.
	A juniper, 18 ins. diam., bears S. 38° 30' E., 46 lks. dist., mkd. T24S R10E S6 CC BT.
	From this cor., the $\frac{1}{4}$ sec. cor. of sec. 36, on the S. bdy. of T. 23 S., R. 9 E., bears East, 8.40 chs. dist., marked with an iron post, 2 $\frac{1}{2}$ ins. diam., set, marked, and witnessed as described in the field notes of the survey of T. 23 S., R. 9 E.
	Land, broken.
	Soil, shallow sand and rocky.
	Timber, scattered pinon and juniper.
Subdivision of T. 24 S., R. 10 E.	
	From the cor. of secs. 1, 2, 35, and 36, on the S. bdy. of the Tp.
	N. 0° 01' W., bet. secs. 35 and 36.
	Over broken top of bench, asc. 60 ft. over S. slope.
10.20	Top of ascent, bears E. and W.
13.50	N. broken crest of bench, bears E. and W., desc. 190 ft. over N. slope.
29.40	Wash, drains W., about 12 chs. to junction with Chute Canyon, asc. 180 ft. along steep SW. slope.
40.00	Point for the $\frac{1}{4}$ sec. cor. of secs. 35 and 36, falls on steep SW. slope, unsafe place for the cor.
41.50	Point selected for the witness $\frac{1}{4}$ sec. cor. of secs. 35 and 36, 60 ft. above true point.

Subdivision, T. 24 S., R. 10 E.

Chains

Set an iron post, 30 ins. long, 2½ ins. diam., 10 ins. in the ground, with brass cap marked

$\frac{1}{2}$
 \uparrow
 S35|S36
 W C
 1955

raise a mound of stone, 3½ ft. base, around the iron post to top of post.

Asc. 20 ft.

46.30 Top of ascent, bears E. and W., desc. 200 ft. over steep N. slope.

55.00 Wash, course W., about 16 chs. to junction with Chute Canyon, asc. 480 ft. along steep SW. slope, and along a wash, course S., parallel with line about 3 chs. to W.

80.00 Point for the cor. of secs. 25, 26, 35, and 36.

Set an iron post, 30 ins. long, 2½ ins. diam., 3 ins. in the ground, with brass cap marked

T24SR10E
 S26|S25
 S35|S36
 1955

raise a mound of stone, 4 ft. base, around the iron post, to top of post,

from which

A pinon, 6 ins. diam., bears S. 68° 15' E., 27 lks. dist., mkd. S36 BT.

A pinon, 8 ins. diam., bears N. 41° 00' E., 34 lks. dist., mkd. S25 BT.

Land, broken.

Soil, shallow sand.

Timber, thinly scattered pinon and juniper.

From the cor. of secs. 25, 30, 31, and 36, on the E. bdy. of the Tr. S. 89° 58' W., bet. secs. 25 and 36.

Over broken land, asc. 130 ft. along NE. slope.

6.40 Top of ascent, desc. 70 ft. along W. slope.

10.30 Wash, course S., asc. 160 ft. along steep SE. slope.

20.20 Spur, projects S. 30° E., desc. 200 ft. along SW. slope.

38.60 Wash, drains S., asc. 20 ft.

40.02 Point for the ½ sec. cor. of secs. 25 and 36.

Subdivision, T. 24 S., R. 10 E.

Chains

Set an iron post, 30 ins. long, 2½ ins. diam., 10 ins. in the ground, with brass cap marked

$$\begin{array}{r} \frac{1}{4} \frac{S25}{S36} \\ 1955 \end{array}$$

raise a mound of stone, 3 ft. base, around the iron post, to top of post.

Asc. 40 ft. along SE. slope.

43.80 Spur, slopes S., desc. 60 ft. along broken slope, draining southerly.

46.00 Wash, drains SW., asc. along SE. slope.

57.50 Spur, slopes SW., desc. 20 ft. along SW. slope.

63.00 Wash, drains S., asc. 120 ft. along SE. slope.

73.60 Spur, slopes S., desc. 60 ft. to cor.

80.04 The cor. of secs. 25, 26, 35, and 36.

Land, broken.

Soil, shallow sand and shale.

Timber, thinly scattered pinon and juniper.

From the cor. of secs. 3, 4, 33, and 34, on the S. bdy. of the Tp.

N. 0° 02' W., bet. secs. 33 and 34.

Over broken land, asc. 110 ft. along SE. slope.

3.80 Spur, slopes E., desc. 150 ft. along NE. slope.

12.00 Drain, 2 chs. wide, 5 ft. deep, course N. 70° E., asc. 70 ft.

14.30 Minor spur, slopes N. 70° E., desc. 130 ft. over N. slope.

18.10 Drain, in bottom of ravine, course E., asc. 170 ft. over broken land, draining southeasterly.

39.00 Point for the witness ¼ sec. cor. of secs. 33 and 34.

Set an iron post, 30 ins. long, 2½ ins. diam., 4 ins. in the ground, with brass cap marked

$$\begin{array}{c} \frac{1}{4} \\ W C \\ S33 \downarrow S34 \\ 1955 \end{array}$$

raise a mound of stone, 3 ft. base, around the iron post, to top of post.

40.00 Point for the ¼ sec. cor. of secs. 33 and 34, falls on a ledge, 15 ft. high, where it is impracticable to monument the cor.

Asc. 20 ft. along E. slope.

50.30 Desc. 160 ft. over steep sandstone N. slope.

55.00 Wash, in bottom of sandstone canyon, course S. 70° E., asc. 190 ft. over S. sandstone slope.

Subdivision, T. 24 S., R. 10 E.

Chains

64.30	Spur, slopes SE., desc. 30 ft.
71.60	Small wash, course SE., asc. 70 ft.
80.00	Point for the cor. of secs. 27, 28, 33, and 34. Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 4 ins. in the ground, with brass cap marked <div style="text-align: center;"> T24SR10E S28 S27 S33 S34 1955 </div> raise a mound of stone, 3 ft. base, around the iron post to top of post. Land, broken. Soil, shallow sand and rocky. Timber, thinly scattered juniper.
<hr/>	
	N. $0^{\circ} 02'$ W., bet. secs. 27 and 28. Over broken land, through scattered timber, desc. 90 ft. along NE. slope.
12.90	Wash, course E., thence along E. slope.
28.70	Ravine, 50 lks. wide, 30 ft. deep, course E., asc. 70 ft.
35.70	Minor spur, slopes SW., desc. 20 ft.
40.00	Point for the 1 sec. cor. of secs. 27 and 28. Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 4 ins. in the ground, with brass cap marked <div style="text-align: center;"> $\frac{1}{2}$ S28 S27 1955 </div> raise a mound of stone, $3\frac{1}{2}$ ft. base, around the iron post to top of post. Desc. 20 ft.
45.70	Small wash, drains SW., asc. 200 ft. over steep S. slope.
53.40	S. crest of bench, bears S. 70° W. and N. 70° E., thence over rolling land.
68.00	Head of draw, draining NW., asc. SW. slope.
80.00	Point for the cor. of secs. 21, 22, 27, and 28. Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 4 ins. in the ground, with brass cap marked <div style="text-align: center;"> T24SR10E S21 S22 S28 S27 1955 </div>

Chains	
	<p>raise a mound of stone, $2\frac{1}{2}$ ft. base, around the iron post.</p> <p>Land, broken. Soil, shallow sand and shale. Timber, thinly scattered juniper.</p>
	<p>N. $0^{\circ} 02'$ W., bet. secs. 21 and 22.</p> <p>Over broken top of bench, through scattered timber.</p>
5.80	N. crest of bench, bears E. and W., desc. 220 ft. over N. slope.
23.00	Wash, 40 lks. wide, 3 ft. deep, course NE., asc. 20 ft. along slight E. slope.
40.00	<p>Point for the $\frac{1}{4}$ sec. cor. of secs. 21 and 22.</p> <p>Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 20 ins. in the ground, with brass cap marked</p> <p style="text-align: center;"> $\frac{1}{4}$ S21 S22 1955 </p>
	<p>raise a mound of stone, $2\frac{1}{2}$ ft. base, around the iron post to top of post.</p> <p>Desc. 20 ft. along gentle NE. slope.</p>
48.50	Wash, drains E. to Baptist Draw.
59.00	Baptist Draw, a wash, 80 lks. wide, 3 ft. deep, drains SE., asc. 30 ft. along SW. slope.
80.00	<p>Point for the cor. of secs. 15, 16, 21 and 22, falls in a gully, draining SW., an unsafe place for the cor.</p> <p>Land, broken. Soil, sand and shale. Timber, thinly scattered scrub juniper.</p>
	<p>N. $0^{\circ} 02'$ W., bet. secs. 15 and 16.</p> <p>Over broken land, through scattered timber.</p>
0.50	<p>Point selected for the ^{witness} cor. of secs. 15, 16, 21, and 22.</p> <p>Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 4 ins. in the ground, with brass cap marked</p> <p style="text-align: center;"> T24SR10E S16 S15 S21 S22 W C 1955 </p>

Subdivision, T. 24 S., R. 10 E.

Chains

raise a mound of stone, 3 ft. base, around the iron post to top of post.

Asc. 30 ft.

8.00 Base of steep slope, bears NW. and E., asc. 90 ft.

12.00 Spur, slopes sharply to W., desc. 50 ft. along NW. slope.

17.70 Drain, course S. 20° W., asc. 90 ft. along SE. slope.

23.00 S. crest of bench, bears S. 60° W. and N. 70° E., cont. over broken top of bench.

40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 15 and 16.

Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., 2 ins. in the ground to bedrock, with brass cap marked

$\frac{1}{4}$
 S16 | S15
 1955

raise a mound of stone, 5 ft. base, around the iron post to top of post.

48.60 Wash, 20 lks. wide, 2 ft. deep, course S. 70° E., asc. 100 ft.

59.90 Top of ascent, bears NW. and SE., desc. 100 ft. along NE. slope.

66.00 Wash, 20 lks. wide, 2 $\frac{1}{2}$ ft. deep, course E., asc. 50 ft.

70.20 Spur, slopes sharply to E., desc. 110 ft. along NE. slope.

80.00 Point for the cor. of secs. 9, 10, 15, and 16.

Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., 20 ins. in the ground, with brass cap marked

T24SR10E
 S 9 | S10
 S16 | S15
 1955

raise a mound of stone, 3 ft. base, around the iron post, to top of post.

Land, broken.

Soil, shallow sand and shale.

Timber, scattered juniper.

N. 0° 02' W., bet. secs. 9 and 10.

Over nearly level land through thinly scattered timber.

12.40 Wash, 35 lks. wide, 3 ft. deep, course SE., asc. steep slope, 150 ft. high.

18.60 S. crest of bench, bears NW. and SE., thence over rolling land.

25.30 Head of wash, draining SW.

Subdivision, R. 24, S. 2, E. 10 E.

Chains

34.30

Drain, 1 ch. wide, 30 ft. deep, course E. near a railroad to the

40.00

Point for the $\frac{1}{2}$ sec. cor. of secs. 9 and 10.Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 15 ins. in the ground, with brass cap marked

S 9 | S 10

1955

raise a mound of stone, $3\frac{1}{2}$ ft. base, around the iron post to top of post.

Continue over nearly level land.

45.60

Wash, 1.50 chs. wide, 30 ft. deep, drains E.

76.80

Small wash, drains SE., asc. 20 ft.

80.00

Point for the cor. of secs. 3, 4, 9, and 10.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 20 ins. in the ground, with brass cap marked

T24SR10E

S 4 | S 3

S 9 | S 10

1955

raise a mound of stone, $3\frac{1}{2}$ ft. base, around the iron post to top of post.

Land, rolling.

Soil, shallow sand.

Timber, thinly scattered scrub juniper.

N. 0° 02' W., bet. secs. 3 and 4.

Over nearly level land through scattered timber.

4.30

Trail road, bears N. 80° W. and SE.

25.30

N. crest of bench, bears S. 70° E. and N. 70° W., desc. 110 ft. along NE. slope.

30.60

Wash, 20 lks. wide, 4 ft. deep, course S. 70° E., asc. 60 ft. over rolling land.

40.00

Point for the $\frac{1}{2}$ sec. cor. of secs. 3 and 4.Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 22 ins. in the ground, with brass cap marked

S 4 | S 3

1955

raise a mound of stone, $3\frac{1}{2}$ ft. base, around the iron post to top of post.

Subdivision, T. 24 S., R. 10 E.

Chain

54.00

Wash, 30 lks. wide, 5 ft. deep, course NE.

65.40

Graded gravel road, bears NE. and SW.

90.00

Point for the 1/16 sec. cor. of secs. 3 and 4.

Set an iron post, 30 ins. long, 2½ ins. diam., 4 ins. in the ground, with brass cap marked

$$\begin{array}{r} 1/16 \\ S\ 4\ S\ 3 \\ \cdot 80 \\ 1955 \end{array}$$

raise a mound of stone, 5 ft. base, around the iron post, to top of post.

Desc. 10 ft. over nearly level land.

88.90

Wash, 30 lks. wide, 2½ ft. deep, course SE., asc. 50 ft. over S. slope.

109.85

Intersect the S. bdy. of sec. 33, T. 23 S., R. 9 E.

Point for the closing cor. of secs. 3 and 4.

Set an iron post, 30 ins. long, 2½ ins. diam., 4 ins. in the ground, with brass cap marked

$$\begin{array}{r} T23SR10E \\ 833 \\ S\ 4\ S\ 3 \\ C\ C \\ T24S \\ 1955 \end{array}$$

raise a mound of stone, 3 ft. base, 3 ft. high, S. of the iron post.

From this cor., the ¼ sec. cor. originally set to function as the ¼ sec. cor. of secs. 4 and 33, an iron post, 1 in. diam., conforming to the record of the 1922 survey, bears East, 8.69 chs. dist. As this cor. now functions as the ¼ sec. cor. of sec. 33 only, I mark "1955" on the brass cap and remove the marks "S 4".

Land, rolling.

Soil, sand and shale.

Timber, thinly scattered juniper.

The point for the cor. of secs. 1 and 2, on the N. bdy. of the Tp., at proportionate dist., bet. the NE. cor. of the Tp. and the closing cor. of secs. 3 and 4.

At the cor. point,

Set an iron post, 30 ins. long, 2½ ins. diam., 4 ins. in the ground, with brass cap marked

$$\begin{array}{r} T23SR10E \\ 835 \\ S\ 2\ S\ 1 \\ T24S \\ 1955 \end{array}$$

Subdivision, T. 24 S., R. 10 E.

Chains

raise a mound of stone, $3\frac{1}{2}$ ft. base, around the iron post to top of post.

From this cor., the $\frac{1}{4}$ sec. cor. of sec. 35, on the S. bdy. of T. 23 S., R. 10 E., originally set to function as the $\frac{1}{4}$ sec. cor. of secs. 2 and 35, bears East, 8.49 chs. dist., marked with an iron post, 1 in. diam., conforming to the record of the 1922 survey. I mark the brass cap "1955" and remove the marks "S2".

S. $0^{\circ} 01'$ E., bet. secs. 1 and 2.

Desc. 40 ft. over rolling land.

18.20 Wash, course S. 70° E.

29.95 Point for the $1/16$ sec. cor. of secs. 1 and 2.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 8 ins. in the ground, with brass cap marked

$1/16$
S 2 | S 1
80
1955

Desc. 20 ft.

37.10 Bladed road, bears S. 60° E. and N. 60° W., desc. 40 ft.

69.95 Point for the $\frac{1}{4}$ sec. cor. of secs. 1 and 2.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 18 ins. in the ground, with brass cap marked

$\frac{1}{4}$
S 2 | S 1
1955

raise a mound of stone, $2\frac{1}{2}$ ft. base, around the iron post, to top of post.

85.60 Graded gravel road, bears NW. and SE.

87.80 Wash, 40 lks. wide, 4 ft. deep, drains SW., asc. 80 ft. over N. slope.

109.95 Point for the cor. of secs. 1, 2, 11, and 12, at a distance calculated to intersect a parallel connecting the cor. of secs. 1 and 12, on the E. bdy. and the cor. of secs. 3, 4, 9, and 10.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 5 ins. in the ground, with brass cap marked

T24SR10E
S 2 | S 1
S11 | S12
1955

raise a mound of stone, 4 ft. base, around the iron post, to top of post.

Land, rolling.

Soil, sandy.

Timber, scattered scrub juniper.

Subdivision: T. 24 S., R. 10 E.

N. 89° 58' W., between secs. 2 and 11, on a theoretical parallel connecting the cor. of secs. 1 and 12, on the E. bdy. and the cor. of secs. 5, 4, 9, and 10.

Desc. 220 ft. along N. slope.

Wash, 90 lks. wide, 8 ft. deep, course S., asc. 20 ft.

Point for the $\frac{1}{4}$ sec. cor. of secs. 2 and 11.

Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., 1 in. in the ground to bedrock, with brass cap marked

$\frac{S\ 2}{S\ 11}$
1955

raise a mound of stone, 3 ft. base, around the iron post, to top of post.

Along gentle S. slope.

Small wash, drains S. 30° E.

Chute Canyon, a wash, 60 lks. wide, 3 ft. deep, course SE.

Point for the cor. of secs. 2, 3, 10, and 11.

Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., 18 ins. in the ground, with brass cap marked

T24SR10E
 $\frac{S\ 3\ S\ 2}{S\ 10\ S\ 11}$
1955

raise a mound of stone, 4 ft. base, around the iron post to top of post.

Land, rolling.

Soil, sand.

Timber, thinly scattered scrub juniper.

N. 0° 04' W., bet. secs. 2 and 3.

Over broken land.

Chute Canyon, a wash, drains SE., asc. 150 ft. over broken S. slope.

Point for the $\frac{1}{4}$ sec. cor. of secs. 2 and 3.

Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., 18 ins. in the ground, with brass cap marked

$\frac{1}{4}$
 $\frac{S\ 3\ S\ 2}{S\ 10\ S\ 11}$
1955

raise a mound of stone, 4 $\frac{1}{2}$ ft. base, around the iron post to top of post.

Graded gravel road, bears E. and W., asc. 200 ft. over steep S. slope.

Chains	
47.50	S. crest of bench, bears E. and W. on curve to S.
53.00	Same crest of bench, bears NE. and SE. on curve to S., along NW. slope.
64.60	Wash, course SW., asc. 100 ft. along SE. slope. survey.
79.00	S. crest of bench, bears S. 20° W. and E. on curve to S., over top of bench.
80.00	Point for the 1/16 sec. cor. of secs. 2 and 3. Set an iron post, 30 ins. long, 2½ ins. diam., 5 ins. in the ground, with brass cap marked <div style="text-align: center;"> $\begin{array}{r} 1/16 \\ S \ 3 \ S \ 2 \\ 80 \\ 1955 \end{array}$ </div> <p>raise a mound of stone, 3 ft. base, around the iron post, to top of post.</p>
98.10	N. crest of bench, bears E. and W., desc. 90 ft. over N. slope.
109.88	Point for the cor. of secs. 2 and 3, on the N. bdy. of the Tp., at proportionate dist., bet. the NE. cor. of the Tp. and the closing cor. of secs. 3 and 4. At the cor. point, Set an iron post, 30 ins. long, 2½ ins. diam., 2 ins. in the ground to bedrock, with brass cap marked <div style="text-align: center;"> $\begin{array}{r} T23SR10E \\ S34 \\ S \ 3 \ S \ 2 \\ T24S \\ 1955 \end{array}$ </div> <p>raise a mound of stone, 4½ ft. base, around the iron post, to top of post.</p> <p>From this cor., the ¼ sec. cor. of sec. 34, on the S. bdy. of T. 23 S., R. 10 E., originally set to function as the ¼ sec. cor. of secs. 3 and 34, bears East, 8.54 chs. dist., marked with an iron post, 1 in. diam., conforming to the record of the 1922 survey. I mark the brass cap "1955" and remove the marks "S3".</p> <p>Land, broken. Soil, shallow sand and shale. Timber, thinly scattered scrub juniper.</p>
	<p>The point for the ¼ sec. cor. of sec. 2, is at midpoint on the W. bdy. of sec. 2.</p> <p>At the cor. point,</p> <p>Set an iron post, 30 ins. long, 2½ ins. diam., 4 ins. in the ground, with brass cap marked</p>

Subdivision, T. 24 S., R. 10 E.

Chains

1
S 2
1955

raise a mound of stone, 4 ft. base, around the iron post to top of post.

From this cor., the cor. of secs. 34 and 35, on the S. bdy. of T. 23 S., R. 10 E., originally set to function as the cor. of secs. 2, 3, 34, and 35, bears East, 8.515 chs. dist. mkd. with an iron post, 2 ins. diam., conforming to the record of the 1922 survey. I mark the brass cap "1955" and remove the marks "S 3 and S 2".

From the cor. of secs. 15, 16, 21, and 22.

N. 89° 59' W., bet. secs. 16 and 21.

Over broken land through scattered timber.

2.60 Wash, 25 lks. wide, 3 ft. deep, course S., thence along broken slope draining southerly.

10.70 Wash, 40 lks. wide, 3 ft. deep, course S. 20° E., asc. 110 ft. over E. slope.

19.00 Spur, slopes SE., asc. 20 ft. along S. slope.

29.50 Wash, course S. 70° E., thence over broken top of bench draining southerly.

40.00 Point for the $\frac{1}{2}$ sec. cor. of secs. 16 and 21 falls in a wash, course SE., unsafe place to monument the cor.

41.50 Point selected for the witness $\frac{1}{2}$ sec. cor. of secs. 16 and 21,

Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., 6 ins. in the ground, with brass cap marked

1
S16
S21 C
1955

raise a mound of stone, 3 ft. base, around the iron post, to top of post.

56.90 Wash, 20 lks. wide, 2 ft. deep, course S. 70° E.

67.70 Baptist Draw, a wash, 80 lks. wide, 6 ft. deep, course SE., thence along NE. slope.

76.50 Wash, 50 lks. wide, 3 ft. deep, course N. 20° E.

80.00 Point for the cor. of secs. 16, 17, 20, and 21.

Set an iron post, 30 ins. long, 2 $\frac{1}{2}$ ins. diam., 18 ins. in the ground, with brass cap marked

T24SR10E
S17|S16
S20|S21
1955

raise a mound of stone, 4 ft. base, around the iron post to top of post.

Subdivision, T. 24 S., R. 10 E.

Chains

Land, broken.
Soil, sandy clay loam and shale.
Timber, scattered scrub juniper.

N. 0° 03' W., bet. secs. 16 and 17.

Over broken land, through scattered timber, asc. 100 ft. over S. slope.

14.70 Spur, slopes SE., desc. 100 ft. along NE. slope.

32.30 Wash, 60 lks. wide, 3 ft. deep, drains S. 30° E.

37.70 Same wash, course SW., asc. 10 ft.

40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 16 and 17.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 20 ins. in the ground, with brass cap marked

$\frac{1}{4}$
S17 | S16
1955

raise a mound of stone, 3 ft. base, around the iron post to top of post.

Over rolling land.

52.40 Wash, 30 lks. wide, 3 ft. deep, course S. 70° E., asc. 40 ft.

58.30 Base of slope, bears NW. and E., asc. 150 ft. over steep S. slope.

66.50 S. crest of bench, bears NW. and SE., asc. 20 ft. over top of nearly level bench.

80.00 Point for the cor. of secs. 8, 9, 16, and 17.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 2 ins. in the ground to bedrock, with brass cap marked

T24SR10E
S 8 | S 9
S17 | S16
1955

raise a mound of stone, 4 ft. base, around the iron post, to top of post.

Land, broken and rolling.
Soil, shallow sand and shale.
Timber, scattered scrub juniper.

From the cor. of sec. 9, 10, 15, and 16.

N. 89° 58' W., bet. secs. 9 and 16.

Over broken land through scattered timber, asc. 170 ft. along NE. slope.

Subdivision, T. 24 S., R. 10 E.

Chains

- 9.90 Crest of bench, bears NW. and SE., continue over nearly level top of bench.
- 24.40 Crest of bench, bears NE. and SW., desc. 110 ft. along NW. slope.
- 28.89 Wash, drains N. 30° E., asc. 90 ft. along SE. slope.
- 33.70 Crest of bench, bears N. 30° E. and S. 30° W., continue over top of nearly level bench.
- 39.96 Point for the $\frac{1}{4}$ sec. cor. of secs. 9 and 16.
Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 20 ins. in the ground, with brass cap marked
- $$\begin{array}{r} \frac{1}{4} \text{ S } 9 \\ \text{S } 16 \\ 1955 \end{array}$$
- raise a mound of stone, 3 ft. base, around the iron post to top of post.
- 43.30 Crest of bench, bears N. and S., desc. 130 ft. over W. slope.
- 50.10 Wash, drains S. 25° W., asc. 150 ft. along SE. slope.
- 63.50 Crest of bench, bears N. 70° E. and S. 70° W., continue over top of nearly level bench.
- 79.92 The cor. of secs. 8, 9, 16, and 17.
Land, broken rims and nearly level benches.
Soil, shallow sand and shale.
Timber, thinly scattered scrub juniper.
-
- From the cor. of secs. 4, 5, 32, and , on the S. bdy. of the Tp.
N. 0° 03' W., bet. secs. 32 and 33.
Desc. 30 ft. over rolling land through scattered timber.
- 29.70 Drain, course W., asc. 120 ft. over S. slope.
- 35.00 Top of steep ascent, bears E. and W., thence over nearly level land.
- 40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 32 and 33.
Set an iron post, 30 ins. long, 2 ins. diam., 6 ins. in the ground, with brass cap marked
- $$\begin{array}{r} \frac{1}{4} \\ \text{S } 32 \text{ S } 33 \\ 1955 \end{array}$$
- raise a mound of stone, 4 ft. base, around the iron post, to top of post.
Continue over nearly level land.
- 80.00 Point for the cor. of secs. 28, 29, 32, and 33.

Subdivision, T. 24 S., R. 10 E.

Chains

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 6 ins. in the ground, with brass cap marked

T24SR10E

S29|S28

S32|S33

1955

raise a mound of stone, 6 ft. base, around the iron post, to top of post.

Land, rolling.

Soil, shallow sand and shale.

Timber, scattered scrub juniper.

From the cor. of secs. 5, 6, 31 and 32, on the S. bdy. of the Tp.
N. $0^{\circ} 03'$ W., bet. secs. 31 and 32.

Over broken land through scattered timber, asc. 140 ft. over S. slope.

11.60 Spur, slopes sharply to E., desc. 190 ft. along NE. slope.

19.30 Shallow drain, course E., asc. 180 ft. along SE. slope.

29.50 Crest of bench, bears SW. and NE., continue over top of bench.

34.60 Head of ravine, draining W.

40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 31 and 32.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 20 ins. in the ground with brass cap marked

$\frac{1}{4}$

S31|S32

1955

raise a mound of stone, 5 ft. base, around the iron post to top of post.

43.30 Crest of bench, bears W. and N., irregularly along line.

55.00 Same crest of bench, bears to NE., desc. 100 ft. along NW. slope.

66.50 Small wash, drains SW., asc. 150 ft. over S. slope.

80.00 Point for the cor. of secs. 29, 30, 31, and 32.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 14 ins. in the ground, with brass cap marked

T24SR10E

S30|S29

S31|S32

1955

Land, broken.

Soil, shallow sand and shale.

Timber, scattered scrub juniper.

Subdivision, T. 24 S., R. 10 E.

Chains

From the cor. of secs. 28, 29, 32, and 33.

West, bet. secs. 29 and 32.

Over rolling land through scattered timber.

2.00 Wash, drains NE.

6.90 Bladed road, bears NW. and SE.

36.30 Shallow drain, course NE.

40.01 Point for the $\frac{1}{4}$ sec. cor. of secs. 29 and 32.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 8 ins. in the ground, with brass cap marked

$$\frac{1}{4} \frac{S29}{S32} \\ 1955$$

raise a mound of stone, 4 ft. base, around the iron post, to top of post.

Continue along broken slope, draining southerly.

80.02 The cor. of secs. 29, 30, 31, and 32.

Land, rolling and broken.

Soil, shallow sand and shale.

Timber, scattered scrub juniper.

N. $89^{\circ} 57'$ W., bet. secs. 30 and 31.

Over rolling land through scattered timber, desc. 120 ft. along SW. slope.

11.20 Wash, drains S., asc. 140 ft. over E. slope.

19.40 Top of ascent, bears N. and S., thence over nearly level land.

40.00 Point for the $\frac{1}{4}$ sec. cor. of secs. 30 and 31.

Set an iron post, 30 ins. long, $2\frac{1}{2}$ ins. diam., 20 ins. in the ground, with brass cap marked

$$\frac{1}{4} \frac{S30}{S31} \\ 1955$$

raise a mound of stone, 4 ft. base, around the iron post to top of post.

Continue over nearly level land.

61.30 Leave timber, bears N. and S.

79.24 The cor. of secs. 25, 30, 31, and 36, on the W. bdy. of the Tp.

Land, rolling.

Soil, shallow sand and shale.

Timber, scattered scrub juniper in E. 60 chs.

T. 24 S., R. 10 E.

General Description

The land enclosed by this township is composed of rolling limestone mesa land, cut by canyons and gulches draining southerly to the San Rafael Reef. The main drainage is Chute Canyon which heads at Tan Seep, in sec. 3, draining southerly to leave the township on the south boundary of sec. 35.

The land is covered by scattered scrub juniper and pinon, interspaced with openings growing a fair growth of grass.

The elevation varies from 5800 ft. above sea level in Chute Canyon, on the south boundary of the township, to 7400 ft. at the base of Family Butte, on the north boundary.

A road, from Temple Mountain to Tan Seep, enters the township on the south boundary of sec. 33, and bears northerly to Tan Seep which is located in sec. 3.

A road, from Tan Seep to Castledale, bears northeasterly to leave on the north boundary of sec. 3. Another road from Tan Seep to the Delta Mine on the Muddy River, bears southwesterly to leave on the west boundary of sec. 19.

Another road from Tan Seep through Red Canyon to Tomsich Butte on the Muddy River leaves the Tan Seep - Delta Mine road, about one half mile west of Tan Seep, bearing westerly to leave on the west boundary of sec. 6.

The settlement of this township is impracticable due to the lack of water, but is extensively used for stock grazing.

FIELD ASSISTANTS

[illegible]

CERTIFICATE OF CADASTRAL ENGINEER

Andrew Nelson, Cartographer-Cadastral
 We Phil D. Smith, Cartographic Survey Aid, HEREBY CERTIFY upon honor that,
 pursuance of special instructions bearing date of the 13th day of August, 1954,
 We have surveyed the East and West Boundaries and a Portion of the Subdivision of
Township 24 South, Range 10 East

 of the Salt Lake Meridian, in the State of Utah, which are
 represented in the foregoing field notes as having been executed by ^{us}~~me~~ and under ^{our}~~my~~ direction; and that
 said survey has been made in strict conformity with said instructions, the Manual of Instructions for the
 Survey of the Public Lands of the United States, and in the specific manner described in the foregoing
 field notes.

January 13, 1956
Salt Lake City, Utah

Phil D. Smith
 Cartographic Survey Aid
Andrew Nelson
 Cartographer-Cadastral

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT,

Washington, D. C., JUN 26 1956, 19____

The foregoing field notes of the survey of the E. and W. Bdy., and a Portion of the
Subdivision of T. 24 S., R. 10 E., of the Salt Lake Meridian in the State of Utah

executed by Andrew Nelson and Phil D. Smith

having been critically examined and found correct, are hereby approved.

Earl G. Harrington
 Cadastral Engineering Staff Officer.

CERTIFICATE OF TRANSCRIPT

~~I CERTIFY that the foregoing transcript of the field notes of the above-described surveys in~~
~~_____ is a true copy of the original field notes.~~

~~Cadastral Engineering Staff Officer~~